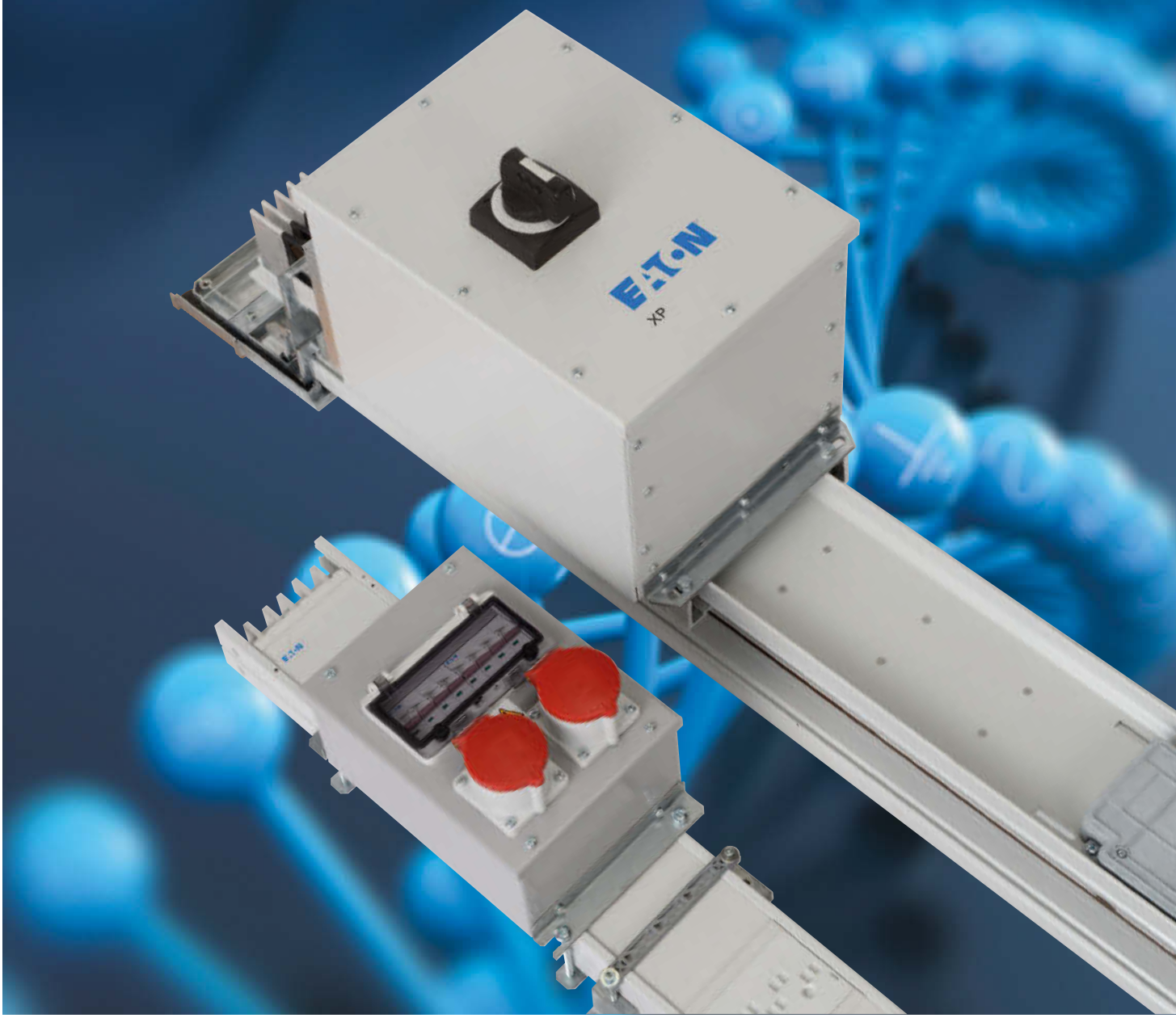
**Power Xpert® Busbar**

- LUX lighting range 25 - 63 A
- Low Power LP range 40 -125 A
- Medium Power MP range 125 - 800 A
- Low Impedance XP range 800 - 6300 A

# The flexible design alternative to cable management




Powering Business Worldwide




## Powering business worldwide

As a global diversified power management company, we help customers worldwide manage the power needed for buildings, aircraft, trucks, cars, machinery and businesses.

Eaton's innovative technologies help customers manage electrical, hydraulic and mechanical power more reliably, efficiently, safely and sustainably.

EATON

*Powering Business Worldwide*



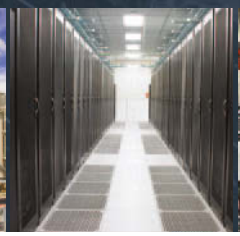
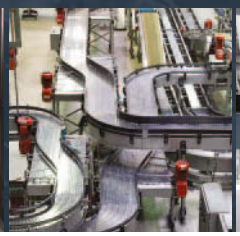
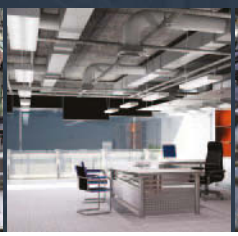
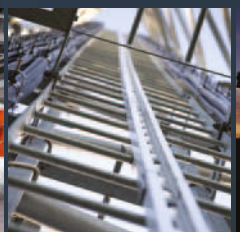



## We deliver:

- **Electrical solutions** that use less energy, improve power reliability and make the places we live and work safer and more comfortable
- **Hydraulic and electrical solutions** that enable machines to deliver more productivity without wasting power
- **Aerospace solutions** that make aircraft lighter, safer and less costly to operate, and help airports operate more efficiently
- **Vehicle drivetrain and powertrain solutions** that deliver more power to cars, trucks and buses, while reducing fuel consumption and emissions

We provide integrated solutions that help make energy, in all its forms, more practical and accessible.

With 2012 sales of $16.3 billion, Eaton has approximately 103,000 employees around the world and sells products in more than 175 countries.



## Eaton's electrical business

**Eaton is a global leader with expertise in:**

- Power distribution and circuit protection
- Backup power protection
- Solutions for harsh and hazardous environments
- Lighting and security
- Structural solutions and wiring devices
- Control and automation
- Engineering services

Eaton is positioned through its global solutions to answer today's most critical electrical power management challenges. With 100 years of electrical experience behind us, we're energized by the challenge of powering up a world that demands twice as much energy as today. We're anticipating needs, engineering products, and creating solutions to energize our markets today and in the future.

We are dedicated to ensuring that reliable, efficient and safe power is available when it's needed most.

**Eaton.com**



# Switchgear Technology is in our DNA

Eaton's knowledge and understanding of industries, applications, technology, and products enables us to offer customers safe, reliable, and high performance solutions.

We have always been part of the creation of new Low and Medium Voltage Switchgear technology, and that experience is in each and every one of us.

### Eaton's Low Voltage Systems can meet the needs of any installation

Eaton Low Voltage Systems are designed to be as space and energy efficient as possible while maintaining easy access for installation, operation and maintenance. Low Voltage Systems from Eaton are highly standardized systems supported by quick configurations, quoting facilities, and fast deliveries.

Eaton's comprehensive low voltage system product portfolio has been specifically designed to meet the needs of all types of installations. The extensive portfolio includes: Power Supply and Control Assemblies), Package Substations, Main and Sub-Main Switchboards, Busbar Trunking, Motor Control Centres, Power Factor Correction, and Engineered Assemblies.

As might be expected from such a comprehensive portfolio, Eaton's low voltage power distribution and control systems have been used in applications, such as: Water industries, Pharmaceutical industries, Industrial facilities, Food & Beverage, Infrastructure projects, Mining & Steel industry and Commercial applications such as: Shops, Schools, Hospitals, Warehouses, Hotels, Prisons, Data centers, and Sport stadiums.

### Reliable, safe and standardized design

Eaton's range of low voltage systems not only provides you with optimum power distribution and motor control functionalities, they meet your most demanding requirements for safety and flexibility. When it comes to safety, Eaton's low voltage systems offer the highest level of protection.

It is Eaton's policy that all products are subjected to rigorous testing and verification programs by, or under the supervision of, internationally recognized and respected third party organizations including: KEMA, ASTA, LOVAG and UL (Underwriters Laboratories). In addition to third party performance and quality verification many Eaton low voltage systems hold specialist approvals from: DNV, Lloyds, UL and KEMA.







# Power Xpert® Busbar
# Product guide

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# 1 General characteristics

Power Xpert® Busbar system

### A complete range of 25 - 6300 A for any installation

Eaton's busbar Power Xpert® system is the obvious choice when searching for a combination of technical performance and attractive design. Constant development of the range for over 30 years has not only ensured economical and reliable solutions; Power Xpert® Busbar has evolved into an unsurpassed range able to adapt to virtually any installation.

Power Xpert® Busbar is an integral part of the product offering from Eaton. Complementing Eaton's range of low voltage distribution equipment from packaged substations and MV and LV distribution switchboards to a complete selection of fused switchgear, circuit breaker systems, motor control gear and OEM products.

Power Xpert® Busbar systems are thoroughly tested and comply fully with IEC 60439-2 (LUX, LP, MP Cu) and IEC 61439-6 (MP Alu, XP Cu, XP Alu). The range extends from 25 - 6300 A with lighting, low, medium and low impedance high power versions, together with a wide selection of accessories and tap-off units.

The straightforward and highly styled design makes Power Xpert® Busbar easy to both install and use – truly the system with style!

### The feature-packed Power Xpert® Busbar system

The advantages of Power Xpert® Busbar are impressive, hence its popularity in replacing conventional cabling systems.

Not only does its unique design provide a neat and attractive alternative to cable, it also ensures flexibility and ease of installation in terms of jointing and fitting. With no requirement for cable trays and complicated terminations, all Power Xpert® Busbar ranges are supplied in convenient 3m lengths (alternative lengths if required), which can simply be 'tapped-off' where required. An entire building can be fed from a single riser with no need for expensive and complicated cable runs to each floor. The Power Xpert® range has the ability to feed single and multi-phase loads simultaneously which means we can provide both space saving and cost-effective solutions.

The design is completely re-usable and can be easily assembled in any location in the minimum of time, while tap-off devices are located at any required point.

The options of circuit protection are themselves numerous with a comprehensive choice of tap-off devices including fuses (BS, NH, DIN), switch-disconnectors and switch-disconnector-fuses, MCCBs, MCBs, fuse-switch-disconnectors and industrial plugs and sockets (conforming to BS 1363, BSEN 60309-2, CEE 17, IEC 60309). Additionally, our wide range of angles and components can be combined to meet layout requirements without compromising on economy or space.

### Working with Power Xpert® Busbars brings you the following advantages

The Eaton range of Power Xpert® Busbar tested to the latest IEC 61439-6 standard makes for the perfect choice where flexibility and reliability are key to a projects success.

We have the ability to produce the busbars that meet the requirement of any indoor installation.

Eaton is a worldwide player in busbar systems. Delivering busbars to many countries globally.

The advantages of Power Xpert® busbars summarized:

- Complete range for Lighting (LUX), Low Power, Medium Power and High Power busbar up to 6300 A
- Verified by testing according to IEC 61439-6
- Complete product range in Copper and Aluminum
- Vertical ("Rising Main") or horizontal ("Distribution") configuration
- Wide range of feed and tap-off units incorporating Eaton devices
- No de-rating in line with current standards
- Our busbars apply to IP55 in any orientation
- Tested Fire barriers kits available
- The Power Xpert® range ensures Ease of installation: we deliver with self-locating joints and any busbars lengths required up to 3 m
- High degree of flexibility
- Wide range of options and accessories
- Eaton busbars are fit-for-purpose for Eaton switchboards and panelboards
- Eaton has excellent customer service
- Eaton has worldwide references for busbar applications

### General construction

- LUX — Strong aluminium housing; tough moulded extrusion containing rigid copper wires
- LP, MP — Aluminium profile with interlocking flame retardant plastic covers
- XP — Aluminium housing, sandwich construction, high grade insulation

### Enclosure

Degree of protection to IEC 60529 and BSEN 60529:

- LUX — IP41 standard; IP55 on request
- LP — IP4X standard
- MP — IP4X standard; IP54 on request
- XP — IP55 standard

### Conductor bars

- LUX — Four or six copper conductors
- LP — Five copper conductors – three phases with separate neutral and earth providing facility for 'clean earth' where required
- MP — Extruded copper or aluminium.
  Five copper or aluminium conductors – three phases with separate neutral and earth providing facility for 'clean earth' where required
- XP — Extruded copper or aluminium
  3 to 6 bars giving DP, TP, TP & N,TPN & E, TPN & E with 200% neutral

### Voltage drop

- Refer to individual range technical data tables for details

### Insulation of tap-off points and support mouldings

- LP — Moulded polyester classified flammability grade UL-94-V-O
- MP, XP — Low Smoke Halogen Free (LSHF) grade UL-94-V-0

### Conductor joints

- Each length is supplied complete with all components necessary for connection to adjacent lengths or fittings

### Protective earth conductor

- LUX — Provided by the housing
- LP, MP — Separate PE conductor included in the system
- XP — Provided by the housing; an internal PE conductor can be supplied if required

### Straight lengths & fittings

- Supplied as standard in 1 m, 2 m and 3 m lengths; shorter feeder and distribution lengths, angles, intersections and special bends are available on request

### Incoming feed arrangements

- LUX — Insulated cable end feed box with cable gland
- LP, MP — Can be end or centre fed
- XP — Transformer and switchboard flange connections plus end feed boxes for cables can be tailor-made to customer requirements

### Mounting and supports

- LUX lighting range can be mounted in any plane; long-face vertical gives maximum strength for luminaire support on the LUX range
- The LP, MP and XP ranges can be mounted horizontally or vertically – universal mounting brackets are available suitable for wall mounting or suspension

### Conductor expansion

- Generally any changes in relative lengths of conductors or housing are accommodated for by movement of the joint links and no special precautions are required

### Internal fire barriers

- MP — Factory fitted internal fire barriers are of the Intumescent Gasket type, 4 hr rated to BS476 Part 20
- XP — No internal fire barriers are necessary with XP

### External fire barriers

- MP, XP — Tested with external fire barrier to EN1366-3/ DIN4102-9 S120 & I120

  Tested for circuit integrity according to DIN4102-12 E120

  External fire barriers available upon request

### Tap-off units

- LUX — Insulated plug-in unit for Power Xpert® Busbar LUX
- LP, MP — A variety of plug-in tap-off units are available for the LP & MP ranges which are simply clamped into position. LP units are insulated as standard (metalclad available) while MP are metalclad
- XP — XP tap-off units are metalclad to IP55 as standard

### Tapping outlets

- LUX — Every 1 m along the face of the LUX range; simple plug-in fixing with tapping seal for unused outlets
- LP, MP — Automatic shuttered outlets are provided every 0.33 of a metre on the front face of the busbar. The arrangement of tapping connections and apertures ensures the tap-off units are fitted correctly.
- XP — Tapping outlets can be engineered to the required position

### Standards

- LUX, LP, MP Copper Power Xpert® Busbar ranges conform to IEC 60439-2 and BSEN 60439-2. Testing will be updated to IEC 61439-6, before the current product standard IEC 60439-2 is withdrawn.
- MP Aluminium, XP Copper and XP Aluminium Power Xpert® Busbar ranges conform to IEC 61439-6 and BSEN 61439-6



**The feature-packed LUX lighting range, 25 - 63 A**

Eaton's LUX lighting range is available in 25, 40 and 63 A versions. Used mainly for overhead installation it is suitable for all types of commercial lighting and is ideal for use in retail stores, offices and hotels due to its flexibility in creating specific lighting designs.

The aluminium-clad trunking is available in 4 pole and 6 pole configurations with tap-off positions every metre along a standard 3 m length. Simple to install, with no requirement for bolting lengths together the range also incorporates a flexible joint to accommodate changes in height or direction. The fused tap-off unit is phase interchangeable on site or at the factory and can be supplied with or without cable fitted.
A straightforward and highly styled answer to all of your lighting needs.

- 25, 40 & 63 A ratings
- Suitable for use at 400 V 3 phase 50 Hz
- Fully certified to IEC 60439-2 and BSEN 60439-2
- 4 pole & 6 pole
- Low weight Aluminium housing
- IP41 or IP55 when joint covers are fitted
- 1 m & 3 m standard lengths
- Single phase interchangeable tap-off
- Choice of end feeds
- Flexible lengths and accessories

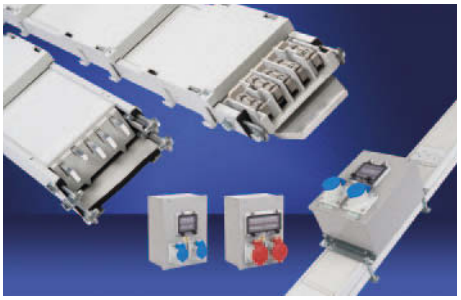


**The feature-packed Low Power range, 40 - 125 A**

Our low power range covers 40, 63, 80, 100 and 125 A ratings. With its attractive appearance and suitability for wall, bench, overhead, or underfloor installation it provides the obvious solution for a wide variety of institutional and commercial applications.

Supplied as standard in 1, 2 and 3 m lengths and complemented with a selection of angles and intersections it allows the layout of an installation to be arranged as required. The five bar configuration incorporates separate neutral and earth conductors providing the facility for a 'clean earth' where required. This, along with tap-off outlets every third of a metre and a variety of tap- off units, ensures the most efficient and flexible solution available - ideally suited for offices, banks, computer centres and light industrial applications.

- 40, 63, 80, 100 & 125 A ratings
- Suitable for use at 400 V 3 phase, 4 wire, 50 Hz
- Fully certified to IEC 60439-2 and BSEN 60439-2
- Low weight Aluminium housing
- IP4X ingress protection
- 5 Bar (internal 100% N)
- Standard 1, 2 & 3 m lengths, special lengths also available between 200 mm and 3000 mm
- Tap-offs outlets every 333 mm
- Wide selection of tap-off units fitted with MCBs or fuse links



**Power Xpert® MP-range, both Aluminium and Copper 125 - 800 A**

Eaton's Power Xpert® Busbar MP system is available in 125, 160, 250, 400, 630 and 800 A ratings. Installed primarily in hotels, department stores, hospitals, offices and industrial installations the MP range is often used for vertical risers or as a supply system for the LP range, in addition to traditional overhead applications.

The Medium power range has options of either Aluminium or Copper conductor versions. The Aluminum conductor range is a new addition to the product family and is tested to the latest IEC 61439-6 and has ratings 160 A up to 630 A and now uses the 1 bolt cassette joint. The current copper range has ratings 125 – 800 A and is tested to IEC60439-2.

– Aluminum range from 160 - 630 A (tested IEC 61439-6)

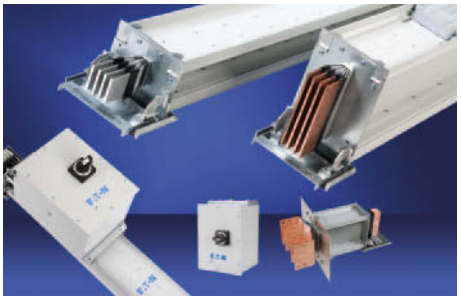
– Copper range from125 - 800 A (tested IEC 60439-2)

MP busbar is a 5 bar 3-phase system with a separate full neutral and integral earth conductor thereby removing the necessity to depend on the busbar housing for continuity.

Adaptable to virtually any design, changes in layout can be accommodated very easily:- a wide variety of angles and intersections are available, tap-off outlets are provided every third of a metre, and tap-off units are simply plugged into position – a popular and well-proven solution for industries where flexibility and adaptability are essential.

**Features MP-range,**

- Copper and Aluminium versions
- Fully certified to IEC 61439-6 (MP Alu) and IEC 60439-2 (MP Cu)
- Short Circuit Icw 25 kA
- No derating for whatever application or direction
- Medium Power protection IP4x & IP54
- Fire barriers availabe. Tested in accordance with EN 1366-3, DIN 4102-9 & DIN 4102-12
- MP design Aluminium busbar using cassette joint design for ease of installation
- No special mounting tools required
- Fixing brackets can be mounted anywhere on a 3 m length
- Lightweight Aluminium construction
- Complete range of tap-off units with Eaton devices
- Wide range of options and accessories
- Worldwide references



**Power Xpert® XP-range, both Aluminium and Copper 800 - 6300 A**

The XP system brings the design of low impedance, sandwich construction busbar to a new superior level. The XP System is available in ratings from 800 - 6300 A.

The XP low impedance range has been newly tested to IEC 61439-6 and comes complete with IP55 as standard with short circuit capacities up to 100 kA.

– Aluminum range from 800 - 4000 A (tested to IEC61439-6)

– Copper range from 800 - 6300 A (tested to IEC61439-6)

XP busbar can be supplied in varying bar configurations from 3 bar to 6 bar. The system can be adapted to any building type with the wide variation of accessories available.

An easily assembled cassette type joint is provided for 800 - 6300 A ratings.

Adaptable to virtually any design, changes in layout can be accommodated very easily:- a wide variety of angles and intersections are available, tap-off outlets up to three per 3 m length, and tap-off units are simply plugged into position – a popular and well-proven solution for industries where flexibility and adaptability are essential.

**Features XP-range,**

- Copper and Aluminium versions
- Fully certified to IEC 61439-6 (XP Alu & XP Cu)
- Short Circuit Icw 100 kA
- XP Sandwich protection IP55 as standard
- Fire barriers available. Tested in accordance with EN 1366-3, DIN 4102-9 & DIN 4102-12
- XP new design has only 6 joint fixings, 62% less than previous design making installation even faster
- No special mounting tools required
- Fixing brackets can be mounted anywhere on a 3 m length
- Lightweight Aluminium construction
- Tap-off units with Eaton devices
- Low impedance and heat dissipation makes busbars an environmental friendly product
- Wide range of option and accessories
- Painted RAL7035
- Worlwide references



**Power Xpert® Busbars are a sustainable alternative**

- Power distribution with constant voltage and without energy loss
- Simple, resource-friendly installation and reconfiguration
- Minimal consumption of valuable materials, extremely durable

**Eaton's Services for Power Xpert® Busbar**

Due to the wide selection of ratings, components and tap-off units offered by the Power Xpert® Busbar range our specialised service includes a dedicated Autocad system used specifically for application design.

Eaton would be pleased to advise on any customer requirements, ensuring an accurate and cost-effective solution whatever the installation.

**Eaton can offer the following services:**

- **Site measurement**
  Upon receipt of an order an Eaton engineer will attend site to survey routes and discuss any technical detail or questions that you may have. This service normally applies to rising busbar systems and complex lateral runs where special lengths or angles maybe necessary to complete the project.
- **Engineering drawing**
  Eaton uses the latest Autocad based drawing packages to prepare full working drawings to make installations run smoothly.
- **Installation**
  we have an experienced site installation team that can provide competitive pricing for your installation works.
- **Commissioning**
  as part of our site services we can also offer the services for testing and commissioning of installations.

**LUX lighting application areas**

Most common application areas for LUX lighting range are:

- Commercial Areas
  - Showrooms
  - Department Stores, etc.
- Industrial Areas
  - Factories
  - Distribution Warehouses



**LP Low Power application areas**

Most common application areas for LP Low Power busbars are:

- Commercial Areas
  - Universities & College Workshops
  - Computer Suites
- Industrial Areas
  - Batteries Charge area
  - Roller Shutter doors
  - Feeder busbar to LUX lighting range



**MP Medium Power application areas**

Most common application areas for MP Medium Power busbars are:

- Commercial Areas
  - Rising Mains Offices
  - Shopping Malls
  - Data Centres
  - Hospitals
  - Colleges
  - High Rise Buildings
- Industrial Areas
  - Manufacturing facilities / Factories
  - Distribution Warehouses



**XP Low Impedance application areas**

Most common application areas for XP busbars are:

- Commercial Areas
  - Rising Mains Offices
  - Shopping Halls
  - Data Centres
  - Hospitals
  - Colleges
  - High Rise Buildings
- Industrial Areas
  - Manufacturing facilities / Factories
  - Switchboard / Transformer interlinks
  - Automotive





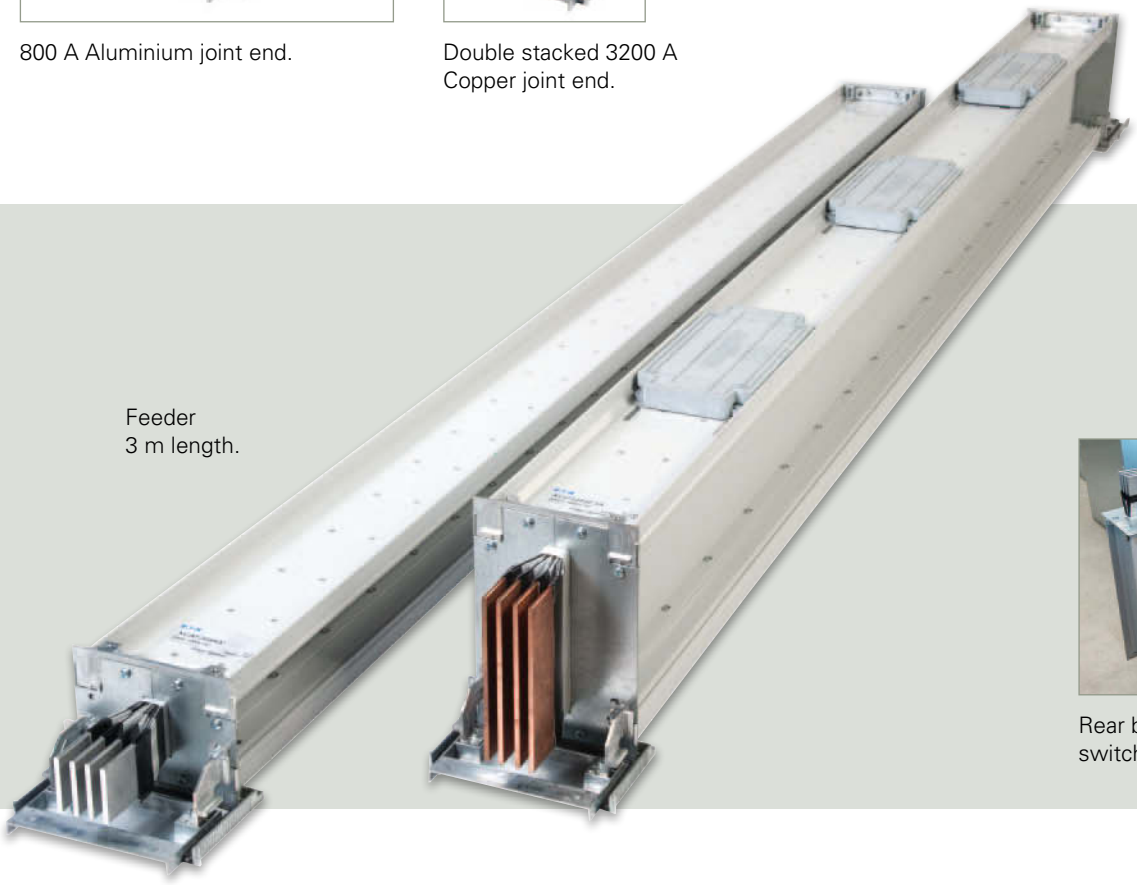
# Power Xpert® XP system overview



800 A Aluminium joint end.



Double stacked 3200 A Copper joint end.



Feeder
3 m length.



Rear busbar connection for switchboard.



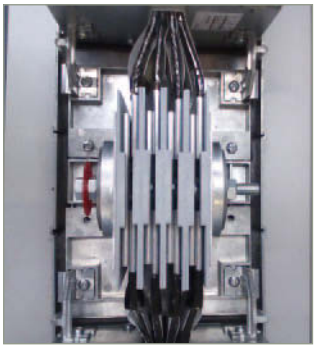
6300 A Flat angle.

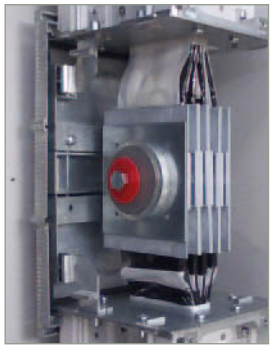


6300 A panel flange.

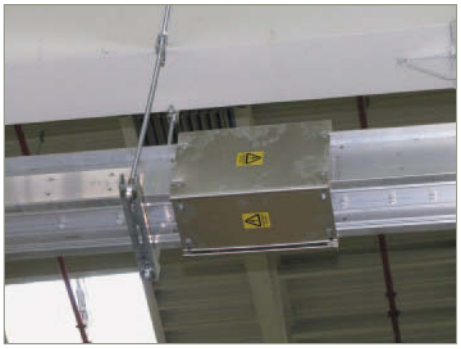


Long limbed angle edge.

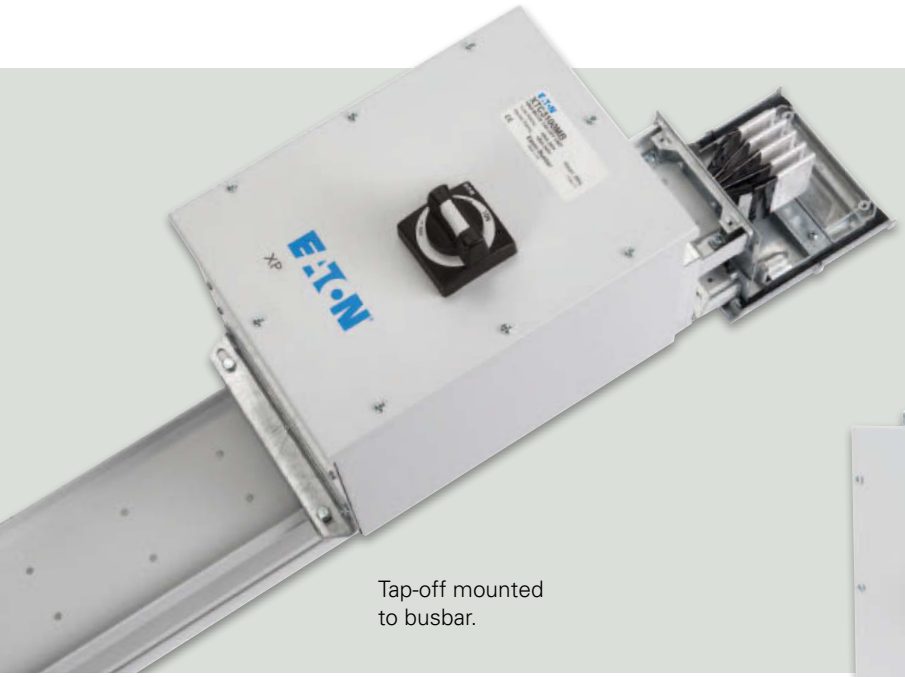




Self locating joint assembly and cassette joint.



Busbar mounted on unistrut.

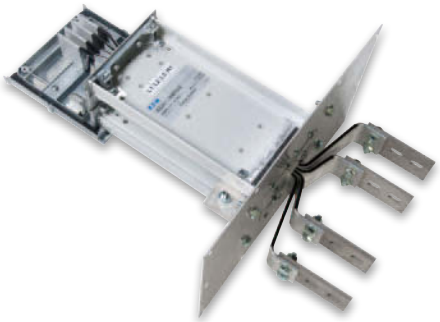


Tap-off mounted to busbar.





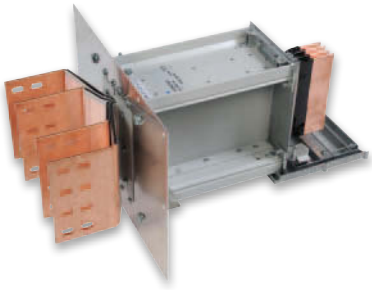
Plug-in tap-off unit.



Aluminium panel flange with tin plated copper connection pads.



4000 A cassette joint.

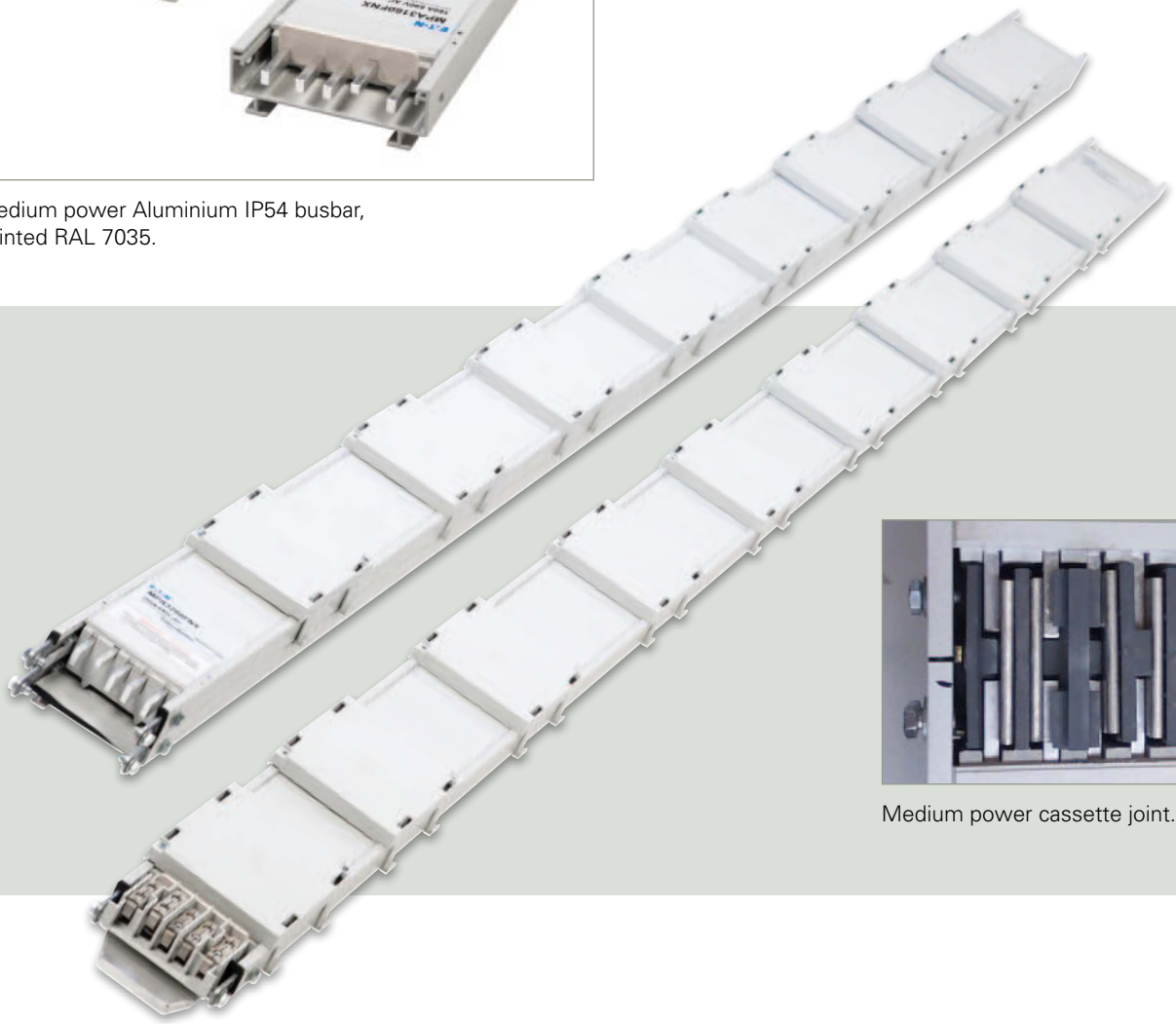


Copper panel flange.

# Power Xpert® MP system overview



Medium power Aluminium IP54 busbar, painted RAL 7035.





Medium power cassette joint.



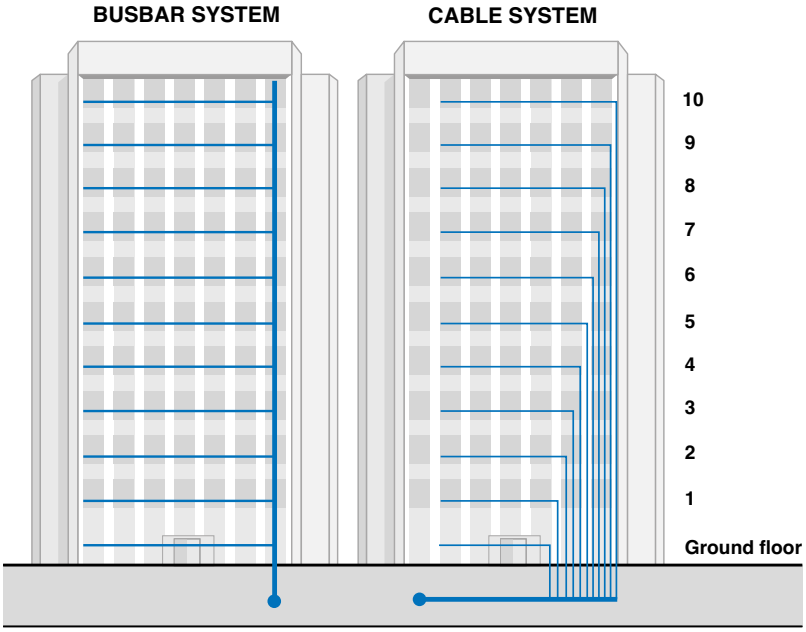
Tap-off unit fitted with CE sockets and MCBs.



Tap-off mounted to busbar.

**Advantages of using Busbar in place of cables**

- Busbars are a cost effective alternative to cabling. The initial purchase of cable can be less expensive compared to busbar and hence should not be compared purely on purchase price. It must be noted that as current ratings increase the advantages of using busbar increase. As current increases the busbar rating can increase in size however cable sizes are limited and multiple cables may have to be used to carry the equivalent of one busbar.
- Busbar replaces multiple cable runs with associated supporting metal work.
- Busbar require less termination space in switchboards and transformers.
- Busbars have short installation time compared to cables. Cable can be difficult and timely to install requiring in some instance specialist cable pulling teams to pull the cable around a building resulting in high labour costs. Busbars do not need cable trays and have no requirement for multiple cable runs (Installation Cost savings for contractor). Busbar has less fixings per metre run than for cable.
- Busbars have greater mechanical strength than cables, with minimal fixings.
- Busbar systems can be installed by non-specialist installers. The competent person is the one that tests the installation.
- Due to the Low impedance the busbars have a low heat dissipation. This reduces the cost of energy losses and also implies that busbars are a sustainable product.
- Busbar is manufactured to fit the building resulting in minimum wastage. i.e. busbar can be made with 90 degree bends but cable has to be installed to regulation with strict adherence to bending radius rules and hence will use more material and space. Busbar connections are there for compact and take up less space.
- Busbar elements in the systems are certified and type tested products.
- Busbar systems are easily extendible. Busbar can be easily modified and circuits can be added easily by means of plug-in tap-off boxes.
- Busbars have a facility for multiple Tap-off outlets (Flexibility to accommodate power requirement changes).
- Busbars have type tested short circuit fault ratings.
- Voltage drop for busbars is lower than the equivalent cable arrangement.




**Busbar vs cable in rising main applications**



Centre feed made to accomodate multiple cables.

## Power distribution for Datacenter applications

### Current situation

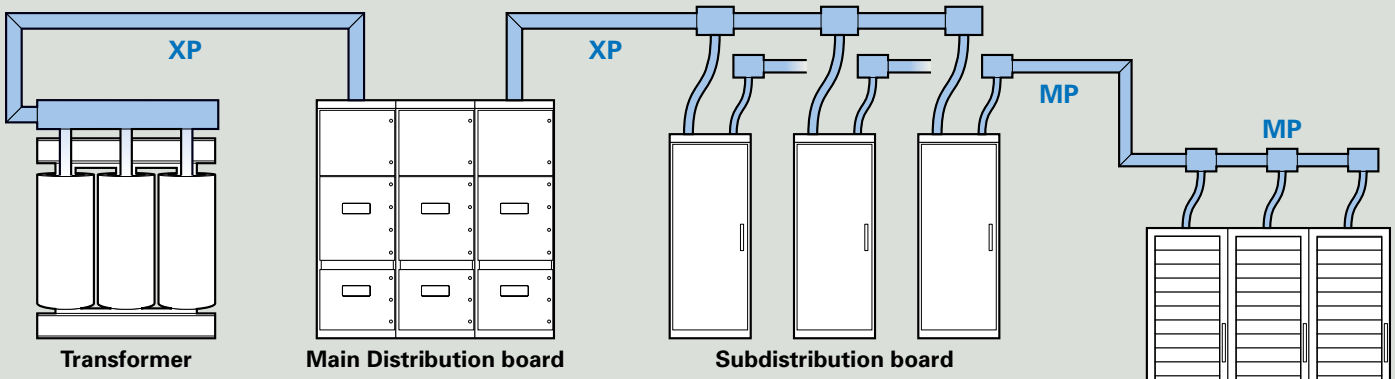
With the continued increase in power and cooling requirements for Data Centers, there has been a shift in facilities design to utilize overhead power distribution in recent years. Why?

- Wiring to the IT enclosures was typically located beneath the raised floor:
  - Not uncommon to remove a floor tile and find hundreds of wires running in various directions
  - Servicing, rerouting, or adding cables can be difficult and expensive
  - Identification and disconnecting can be difficult
- Air circulation can become restricted due to too many cables
- Pre-existing under floor cabling may be undersized to handle increased power loads

### Benefits of using busbars to distribute power overhead

- Clears the floor of cables and wiring
- Reduces the number of panelboards (RPP's)
- Instead of having the overcurrent protection at the panelboard for the receptacles that serve the racks, it is located at the overhead drop
- More useable floor space
- Total installed cost is less
- Addition or relocation of cord drops is very fast, easy, and less costly
- Servicing an individual cabinet can be done at the point of use without having to go to a remote panelboard to turn off the circuit or human error of shutting off the wrong circuit
- Re-configurable, easy to re-locate

### Power Distribution Moving Overhead




The above approach utilizes XP for Transformer to Main Distribution connection and Main Distribution to Subdistribution connection and MP Busbars with tap-off units c/w CE Sockets for plug-in connection.

### Power Xpert® XP – high power Transformer to Switchboard connection and/or Switchboard to Subdistribution connection

- Copper & Aluminium conductors
- Ingress protection IP4X to IP55 for indoor use
- Class B 130º C Mylar wrapped Insulation
- Sandwich Design throughout Feeder and Plug-In Sections
- Standard Phasing from Left to Right E, L1, L2, L3, N1 and N2
- The make-up of the product allows for varying configurations
  - 3 Bar (Case PE)
  - 4 Bar (Case PE)
  - 5 Bar (Internal Earth)
  - 5 Bar + 200% Neutral (Case PE)
  - 6 Bar includes 200%N & Internal Earth
- Complete range from 800 A to 6300 A
- Fully 3rd Party Certified Trunking & Tap-offs
- Tap-offs utilising Eaton's full range of Circuit Protection devices

### Power Xpert® MP – medium power Data Center Server Rack distribution busbar

- Full product offering designed to meet the demanding requirements of data cente customers
- Copper & Aluminium conductors
- Standard finish or customer specific on request
- Multiple tapoff units for power monitoring
- Fully 3rd Party Certified busbars & Tap-offs
- Tap-offs utilising Eaton's full range of Circuit Protection devices



**Previder (Datacenter), Hengelo (The Netherlands)**
Power Xpert® XP (Alu) 1600 A, 3200 A, 4000 A for Transformer to switchboard connection.



**Avebe (food industry), Ter Apelkanaal (The Netherlands)**
Power Xpert® XP (Alu) at 2500 A, transformer connection.



Power Xpert® XP system before cassette joint has been installed (construction picture).



**Pepsi Cola, Romania**
Power Xpert® XP (Cu) at 1350 A.



Centre feed made to accomodate multiple cables.



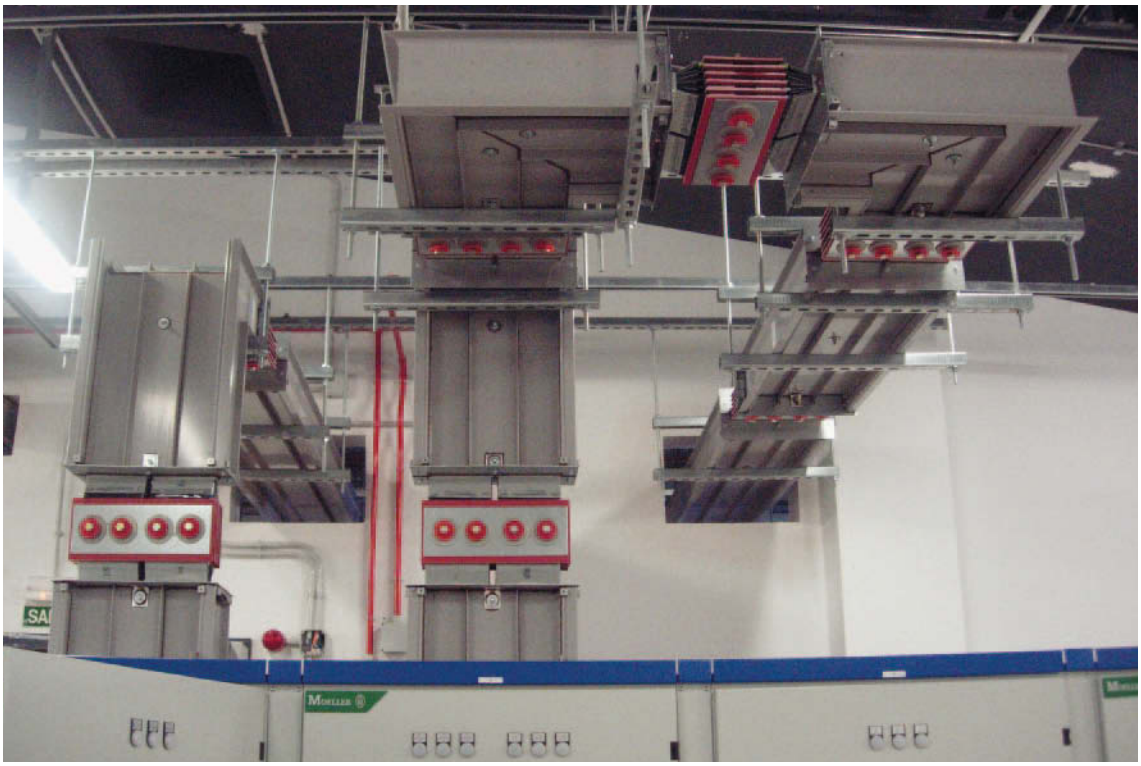
Type 1 busbar transformer connection and flexible braids.



Custom made connection.



**OTP Airport, Romania**
Power Xpert® XP.



Power Xpert® XP (Alu) 3200 A Busbar.



**Galvano Techniek (industry), Hengelo (The Netherlands)**
Power Xpert® MP (Cu) at 160 A and Power Xpert® XP (Alu) at 2000 A.



Eaton Capitole 20 switchboard feeds Power Xpert® XP and Power Xpert® MP busbars.



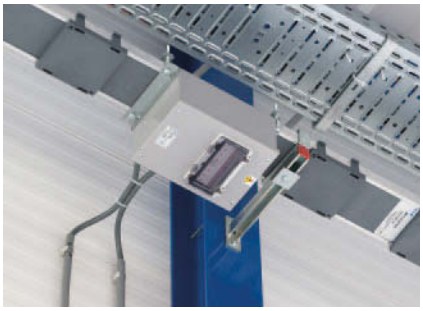
Power Xpert® XP flange unit for connection to switchboard.



Power Xpert® XP Tap-off units feeding the switchboards with process control equipment.



Power Xpert® MP Tap-off with metering unit.



Power Xpert® MP Tap-off.

### Fire Barrier considerations

MP & XP trunking have been 3rd party tested and achieved a 240 min fire integrity rating to clause 8.2.15 of IEC 60439-2:2000, testing against ISO834.

MP Trunking is factory-fitted with internal fire-barriers, for when the trunking passes through walls or ceilings where fire integrity needs to be maintained. Eaton's internal fire barriers are of the intumescent gasket type giving a 4hr rated to BS476 Part 20.

MP trunking is fitted with interlocking Low Smoke Halogen Free covers, flammability grade UL94 V-O, for additional safety in not permitting toxic smoke in the event of fire.

XP trunking due to its sandwich configuration does not need an internal fire barrier.

### Fire Barrier & Block Bar Fitted

- Fire Barriers are 4hour rated to BS476 Part 20
- Block Bar is used to prevent slippage of the bars. Recommendations for fitment every 9 m in a vertical application
- 630 A & 800 A lengths are fitted with Block Bar as standard

### Power Xpert® XP and MP – Fire testing

### Testing according EN 1366-3 / DIN 4102-9

The EN 1366-3 / DIN 4102-9 is the standard for Fire Safety and Fire spread prevention. Without any means a fire can spread horizontally of vertically from one room or floor to another through the hole that has been created to pass the busbar system through. To prevent this, the Eaton busbar system is fitted with an external fire barrier kit which is passed through a floor or wall and sealed in place to prevent the spread of fire.

Recent 3rd party tests confirmed both "Integrity E120" and "Insulation I120" values by achieving 120 minute ratings. Our Eaton busbar did for both indicators in fact better than the published standard by 10% and were verified at 132 minutes.



### BS EN 1366-3 & DIN4102-9 Fire resistance tests for Penetration seals

- Penetration seals used to seal gaps around busbar trunking when passing through walls and ceiling
- Eaton Busbar has passed this test with 2 hour ratings S120 & I120



### DIN 4102-12 to determine circuit integrity

- To determine circuit integrity when exposed to a fire as specified in DIN4102-12
- The busbar is fully enclosed in promatect L500 and tested to E120

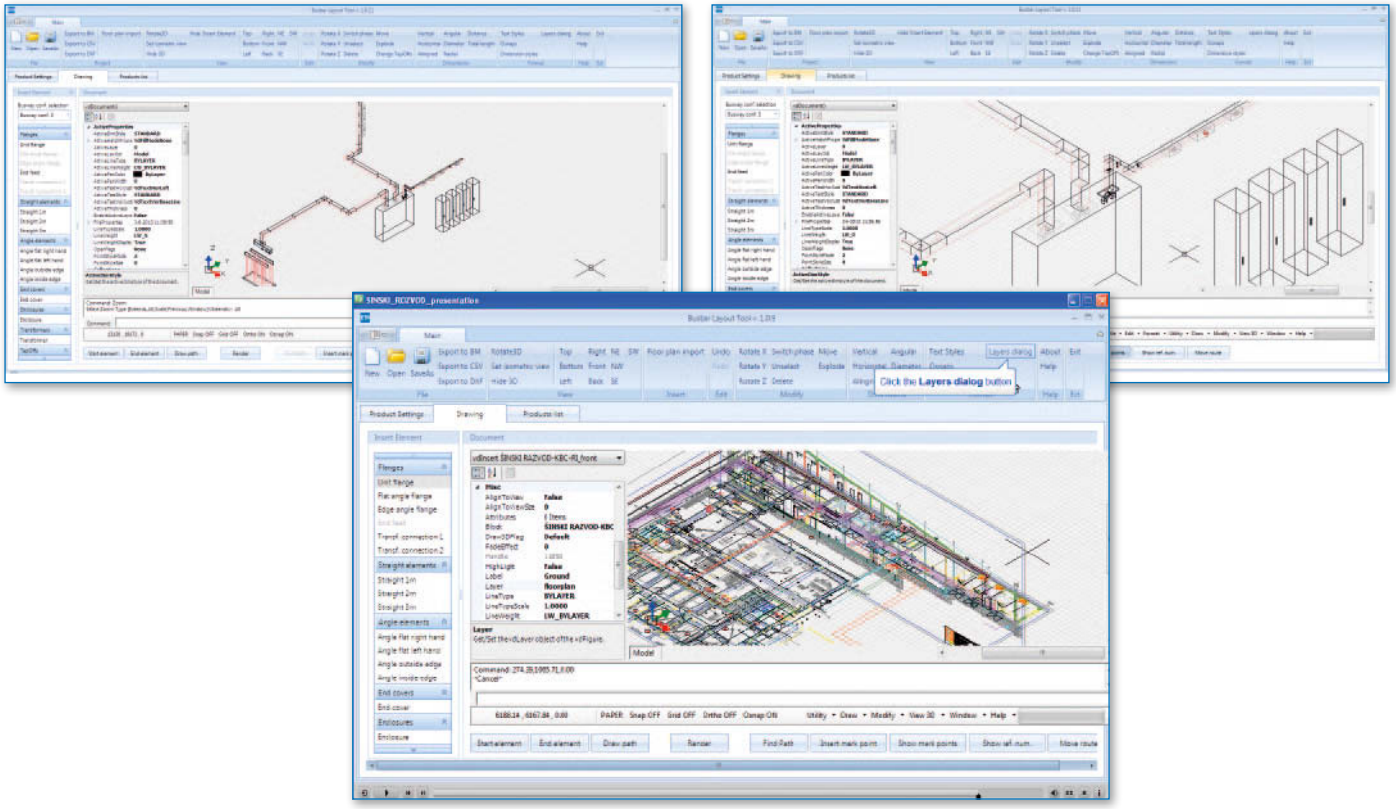
**Welcome to Busbar Layout Tool**

Busbar Layout Tool is Eaton's configuration software for electrical distribution products. With this tool, you can build complex busbar configurations and visualize them in customized CAD environment. This automation tool makes short work of a manual, labour-intensive process. It's much faster than working on paper or with any other CAD add-on – you can create alternate versions of your project in a snap!

Busbar Layout Tool is designed to help you move fast, be accurate, and look professional, a valuable resource that gives you a strategic advantage.

The application is based on fully CAD environment. Most of standard CAD features are also implemented in Busbar Layout Tool. Additionally a lot of customizations and assembling algorithms were added to improve a configuration process. All you need to do is to set start and end point of a busbar. Next the tool will provide you with a whole configuration, easy and quickly to give you an impressive visualization and a list of products.

- Supports Eaton's Power Xpert® busbar system
- Standalone CAD software
- Graphically oriented tool
- All well-known CAD features are supported
- Advanced configuration algorithm
- Three configuration methods
- Product list in a second



2.1 LUX lighting ..... 24
2.2 LUX lighting accessories ..... 25

# 2.1 LUX lighting range, 25 - 63 A

LUX lighting

Eaton's LUX lighting range is available in 25, 40 and 63 A ratings in both 4 and 6 pole (63 A, 4 pole, lighting application only – details on request), the LUX range gives a varied choice of trunking lengths and pole configurations. With an IP41 rating (IP55 available) the strong aluminium housing supports both suspended or bolt-on lighting.

The tap-off unit is a simple plug-in arrangement, can be supplied with or without cable fitted and is phase interchangeable – a useful feature of Eaton's LUX Lighting system.

A simple push fit electromechanical joint with single screw fixing, reliant on alignment for minimum electrical interference makes installation fast and simple. This is very effective due to its simple method of jointing with flexibility for commercial installations. It is recommended that a universal fixing bracket is used every 2m maximum. The LUX range influences a choice of end feeds, flexible lengths and accessories.

The maximum recommended run length for the LUX product is 99 metres. Where building movement is a consideration, then a flexible joint is recommended every 30 metres to prevent movement of lengths.

See page 102 for dimensional drawings and technical details.

LUX3425



## Lengths

| Description | Pole configuration | IP rating | Eaton list number 25 A | Eaton list number 40 A | Eaton list number 63 A |
|---|---|---|---|---|---|
| Straight length 3 m | 4 pole | IP41 | **LUX3425** | **LUX3440** | **LUX3463** |
| Straight length 1 m | 4 pole | IP41 | **LUX1625** | **LUX1640** | **–** |
| Straight length 3 m | 6 pole | IP41 | **LUX3625** | **LUX3640** | **LUX3663** |
| Straight length 1 m | 6 pole | IP41 | **LUX1625** | **LUX1640** | – |

LUX425EF



## Feed units

| Description | Pole configuration | IP rating | Eaton list number 25 A | Eaton list number 40 A | Eaton list number 63A |
|---|---|---|---|---|---|
| End feed | 4 pole | IP41 | **LUX425EF** | **LUX640EF** | **LUX463EF** |
| | 6 pole | IP41 | **LUX625EF** | **LUX640EF** | **LUX663EF** |
| Reverse end feed | 4 pole | IP41 | **LUX425REF** | **LUX640REF** | **LUX463REF** |
| | 6 pole | IP41 | **LUX625REF** | **LUX640REF** | **LUX663REF** |
| Centre feed | 4 pole | IP41 | **LUX425CF** | **LUX640CF** | **LUX463CF** |
| | 6 pole | IP41 | **LUX625CF** | **LUX640CF** | – |

LUXT6F



## Tap-off units – 4 pole

| Description | Pole configuration | IP rating | Phase indication | Phase | Eaton list number |
|---|---|---|---|---|---|
| Tap-off unit | 4 pole | IP55 | – | – | **LUXT6F** |
| Tap-off unit | 4 pole | IP55 | Red | L1+N | **LUXT6FCR** |
| Tap-off unit | 4 pole | IP55 | Yellow | L2+N | **LUXT6FCY** |
| Tap-off unit | 4 pole | | Blue | L3+N | **LUXT6FCB** |

LUXT6F5P



## Tap-off units – 6 pole

| Description | Tecnical characteristics | Pole configuration | IP rating | Phase indication | Phase | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off unit c/w 800 mm cable | 10 A SP&N unfused | 6 pole | IP55 | Red | L1+N | **LUXT10CR** |
| | | | | Yellow | L2+N | **LUXT10CY** |
| | | | | Blue | L3+N | **LUXT10CB** |
| Tap-off unit c/w 800 mm cable | 10 A SP&N unfused | | IP55 | Green | L4, L5 | **LUXT10C3P** |
| Tap-off unit | 6 A SP&N fusible, phase selectable | | IP55 | – | – | **LUXT6F5P** |
| Tap-off unit | 16 A SP&N unfused, phase selectable | | IP55 | – | – | **LUXT165P** |

LUX640FJ



## LUX accessories

| Description | Pole configuration | IP rating | Eaton list number 25 A | Eaton list number 40 A | Eaton list number 63 A |
|---|---|---|---|---|---|
| End cover | | IP55 | **LUXEC** | **LUXEC** | **LUXEC** |
| Universal fixing bracket | | – | **LUXUFB** | **LUXUFB** | **LUXUFB** |
| Flexible joint | 4 pole | IP41 | **LUX425FJ** | **LUX640FJ** | – |
| | 6 pole | IP41 | **LUX640FJ** | **LUX640FJ** | – |
| Tapping outlet seal | | IP55[1)] | **LUXOS** | **LUXOS** | **LUX0S** |
| Joint reinforcement cover, rubber | | IP55[1)] | **LUXJC** | **LUXJC** | **LUXJC** |
| Joint reinforcement cover, metal | | IP55[1)] | **LUXJCL** | **LUXJCL** | **LUXJCL63** |

[1)] To uprate straight lengths to IP55. Support spacing 2 m intervals maximum.

## LUX Tap-off unit accessories

| Description | Rating | Eaton list number |
|---|---|---|
| Neutral link | 16 A | **LUXNL** |
| Spare fuse carrier | 6 A | **LUXTF** |
| Fuse carrier | 16 A | **LUXTF16A** |

3.1 LP range & accessories ..... 28
3.2 Moulded plastic enclosure tap-off units ..... 29
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3.4 European standard tap-off units ..... 35

# 3.1 Low Power range, 40 - 125 A

LP range & accessories

Eaton's Power Xpert® LP range is available in 40, 63, 80, 100 & 125 A ratings. The attractively styled housing is manufactured from extruded aluminium giving a degree of protection to IP4X. The LP range is tested according to BSEN 60439-2, EN 60439-2 and IEC 60439-2

Supplied in 1 m, 2 m and 3 m (other lengths available on request) the system can be end or centre fed and is supplied complete with connection blocks for jointing to adjacent lengths or fittings. Eight positions for tapping are provided on every 3 m length allowing easy access to tap-off locations via a range of switches and overcurrent protective devices which include MCBs, HRC fuses and RCBOs. Tap-off units can be provided with sockets conforming to BSEN 60309-2, BS 1363 and IEC 60309-2.

See page 104 for dimensional drawings.

See page 106 for technical details.

LP380



## Lengths

| Description | Eaton list number 40 A | 63 A | 80 A | 100 A | 125 A |
|---|---|---|---|---|---|
| 1 m straight length feeder | **LP140**[1)] | **LP163**[1)] | **LP180**[1)] | **LP1100**[1)] | **LP1125**[1)] |
| 2 m straight length feeder | **LP240**[1)] | **LP263**[1)] | **LP280**[1)] | **LP2100**[1)] | **LP2125**[1)] |
| 3 m straight length feeder | **LP340**[1)] | **LP363**[1)] | **LP380**[1)] | **LP3100**[1)] | **LP3125**[1)] |

[1)] Add '**T**' for Tin plated Copper bars

LP125EF



LP80EFS



## Feeders

| Description | Eaton list number 40 A | 63 A | 80 A | 100 A | 125 A |
|---|---|---|---|---|---|
| End feed unit | **LP80**[1)]**EF** | **LP80**[1)]**EF** | **LP80**[1)]**EF** | **LP125**[1)]**EF** | **LP125**[1)]**EF** |
| Reverse end feed unit | **LP80**[1)]**REF** | **LP80**[1)]**REF** | **LP80**[1)]**REF** | **LP125**[1)]**REF** | **LP125**[1)]**REF** |
| Switched end feed | **LP80**[1)]**EFS** | **LP80**[1)]**EFS** | **LP80**[1)]**EFS** | **LP125**[1)]**EFS** | **LP125**[1)]**EFS** |
| Switched reverse end feed | **LP80**[1)]**REFS** | **LP80**[1)]**REFS** | **LP80**[1)]**REFS** | **LP125**[1)]**REFS** | **LP125**[1)]**REFS** |
| Centre feed | **LP80**[1)]**CF** | **LP80**[1)]**CF** | **LP80**[1)]**CF** | **LP125**[1)]**CF** | **LP125**[1)]**CF** |

[1)] Add '**T**' for Tin plated Copper bars

LP125AFRH



## Angles

| Description | Type | Eaton list number 40 A | 63 A | 80 A | 100 A | 125 A |
|---|---|---|---|---|---|---|
| Angle | Flat left hand | **LP80**[1)]**AFLH** | **LP80**[1)]**AFLH** | **LP80**[1)]**AFLH** | **LP125**[1)]**AFLH** | **LP125**[1)]**AFLH** |
| Angle | Flat right hand | **LP80**[1)]**AFRH** | **LP80**[1)]**AFRH** | **LP80**[1)]**AFRH** | **LP125**[1)]**AFRH** | **LP125**[1)]**AFRH** |
| Angle | Inside edge | **LP80**[1)]**AIE** | **LP80**[1)]**AIE** | **LP80**[1)]**AIE** | **LP125**[1)]**AIE** | **LP125**[1)]**AIE** |
| Angle | Outside edge | **LP80**[1)]**AOE** | **LP80**[1)]**AOE** | **LP80**[1)]**AOE** | **LP125**[1)]**AOE** | **LP125**[1)]**AOE** |

[1)] Add '**T**' for Tin plated Copper bars

## Intersections

| Description | Eaton list number 40 A | 63 A | 80 A | 100 A | 125 A |
|---|---|---|---|---|---|
| 4 way Intersections | **LP80**[1)]**IS** | **LP80**[1)]**IS** | **LP80**[1)]**IS**[1)] | **LP125**[1)]**IS** | **LP125**[1)]**IS** |

[1)] Add '**T**' for Tin plated Copper bars

LP125UFB



## Accessories

| Description | Eaton list number 40 A | 63 A | 80 A | 100 A | 125 A |
|---|---|---|---|---|---|
| End cover | **LP125EC** | **LP125EC** | **LP125EC** | **LP125EC** | **LP125EC** |
| Reverse end cover | **LP125REC** | **LP125REC** | **LP125REC** | **LP125REC** | **LP125REC** |
| Universal fixing bracket | **LP125UFB** | **LP125UFB** | **LP125UFB** | **LP125UFB** | **LP125UFB** |
| Joint cover | **LP80CB** | **LP80CB** | **LP80CB** | **LP125JC** | **LP125JC** |

LP125JC



LTA106M/L1



## Tap-off with MCB

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Type MCB | Rating | Phase | No. of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB | SP, type C | 6 A | L1 | SPN | IP4X | **LTA106M/L1**[1)] |
| | | 10 A | L1 | SPN | IP4X | **LTA110M/L1**[1)] |
| | | 16 A | L1 | SPN | IP4X | **LTA116M/L1**[1)] |
| | | 20 A | L1 | SPN | IP4X | **LTA120M/L1**[1)] |
| | | 25 A | L1 | SPN | IP4X | **LTA125M/L1**[1)] |
| | | 32 A | L1 | SPN | IP4X | **LTA132M/L1**[1)] |
| | | 40 A | L1 | SPN | IP4X | **LTA140M/L1**[1)] |
| | | 50 A | L1 | SPN | IP4X | **LTA150M/L1**[1)] |
| | | 63 A | L1 | SPN | IP4X | **LTA163M/L1**[1)] |
| LTA306M | | | | | | |
| Tap-off with MCB | TP, type C | 6 A | 3-phase | TPN | IP4X | **LTA306M** |
| | | 10 A | 3-phase | TPN | IP4X | **LTA310M** |
| | | 16 A | 3-phase | TPN | IP4X | **LTA316M** |
| | | 20 A | 3-phase | TPN | IP4X | **LTA320M** |
| | | 25 A | 3-phase | TPN | IP4X | **LTA325M** |
| | | 32 A | 3-phase | TPN | IP4X | **LTA332M** |
| | | 40 A | 3-phase | TPN | IP4X | **LTA340M** |
| | | 50 A | 3-phase | TPN | IP4X | **LTA350M** |
| | | 63 A | 3-phase | TPN | IP4X | **LTA363M** |
| Tap-off | Empty | 32 A | 3-phase | TPN | IP4X | **LTA1** |
| | | 63 A | 3-phase | TPN | IP4X | **LTA2** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA106M/L2**

**Note**: Type B & D MCBs are available upon request

LTA106M/R/L1



## Tap-off with RCBO

- Outgoing device – RCBO type C 30 mA sensitivity
- 10 kA to IEC / EN 61009
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Type RCBO | Rating | Phase | No. of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with RCBO | 30 mA, type C | 6 A | L1 | SPN | IP4X | **LTA106M/R/L1**[1)] |
| | | 10 A | L1 | SPN | IP4X | **LTA110M/R/L1**[1)] |
| | | 16 A | L1 | SPN | IP4X | **LTA116M/R/L1**[1)] |
| | | 20 A | L1 | SPN | IP4X | **LTA120M/R/L1**[1)] |
| | | 32 A | L1 | SPN | IP4X | **LTA132M/R/L1**[1)] |
| | | 40 A | L1 | SPN | IP4X | **LTA140M/R/L1**[1)] |
| | | 45 A | L1 | SPN | IP4X | **LTA145M/R/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA106M/R/L2**

LTA110MC/L1



## Tap-off with MCB & industrial socket

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Tap-off with MCB + CE socket | 10 A | L1 | SPN | IP4X | **LTA110MC/L1**[1)] |
| | 16 A | L1 | SPN | IP4X | **LTA116MC/L1**[1)] |
| | 20 A | L1 | SPN | IP4X | **LTA120MC/L1**[1)] |
| | 32 A | L1 | SPN | IP4X | **LTA132MC/L1**[1)] |
| Tap-off with MCB + CE socket | 10 A | 3-phase | TPN | IP4X | **LTA310MC** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316MC** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320MC** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332MC** |
| Tap-off with CE socket, no MCB | 16 A | 3-phase | TPN | IP4X | **LTA3** |
| | 32 A | 3-phase | TPN | IP4X | **LTA4** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA110MC/L2**

LTA310MC



LTA113B/L1



## Tap-off with 13 A moulded 2G DP switched socket

- BS1363 part 2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Tap-off with 2 gang switched socket | 13 A | L1 | SPN | IP2X | **LTA113B/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA113B/L2**

LTA113B/RCD/L1



## Tap-off with 13 A moulded 2G DP 30mA RCD switched socket

- BS7288
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Tap-off with 2 gang switched RCD socket | 13 A | L1 | SPN | IP2X | **LTA113B/RCD/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA113B/RCD/L2**

LTA106F/L1



## Tap-off, fused (fuse incl).

- Fuse gG IEC 60269 10 x 38 mm
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Tap-off with SP, fused | 6 A | L1 | SPN | IP4X | **LTA106F/L1** |
| | 10 A | L1 | SPN | IP4X | **LTA110F/L1** |
| | 16 A | L1 | SPN | IP4X | **LTA116F/L1** |
| | 20 A | L1 | SPN | IP4X | **LTA120F/L1** |
| | 32 A | L1 | SPN | IP4X | **LTA132F/L1** |
| Tap-off with TP, fused | 6 A | 3-phase | TPN | IP4X | **LTA306F** |
| | 10 A | 3-phase | TPN | IP4X | **LTA310F** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316F** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320F** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332F** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA106F/L2**

LTA306F



LTA110MST/L1



## Steel tap-off with MCB

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with SP MCB | 10 A | L1 | SPN | IP4X | **LTA110MST/L1**[1] |
| | 16 A | L1 | SPN | IP4X | **LTA116MST/L1**[1] |
| | 20 A | L1 | SPN | IP4X | **LTA120MST/L1**[1] |
| | 32 A | L1 | SPN | IP4X | **LTA132MST/L1**[1] |
| | 40 A | L1 | SPN | IP4X | **LTA140MST/L1**[1] |
| | 50 A | L1 | SPN | IP4X | **LTA150MST/L1**[1] |
| | 63 A | L1 | SPN | IP4X | **LTA163MST/L1**[1] |
| Steel tap-off with TP MCB | 10 A | 3-phase | TPN | IP4X | **LTA310MST** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316MST** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320MST** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332MST** |
| | 40 A | 3-phase | TPN | IP4X | **LTA340MST** |
| | 50 A | 3-phase | TPN | IP4X | **LTA350MST** |
| | 63 A | 3-phase | TPN | IP4X | **LTA363MST** |
| Steel tap-off TP, no MCB | 32 A | 3-phase | TPN | IP4X | **LTA5** |
| | 63 A | 3-phase | TPN | IP4X | **LTA6** |

[1] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA110MST/L2**

LTA310MST



LTA110MSTW/L1



## Steel tap-off with MCB c/w viewing window

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- Fitted with MCB type C device & protective window
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with MCB | 10 A | L1 | SPN | IP4X | **LTA110MSTW/L1**[1] |
| | 16 A | L1 | SPN | IP4X | **LTA116MSTW/L1**[1] |
| | 20 A | L1 | SPN | IP4X | **LTA120MSTW/L1**[1] |
| | 32 A | L1 | SPN | IP4X | **LTA132MSTW/L1**[1] |
| | 40 A | L1 | SPN | IP4X | **LTA140MSTW/L1**[1] |
| | 50 A | L1 | SPN | IP4X | **LTA150MSTW/L1**[1] |
| | 63 A | L1 | SPN | IP4X | **LTA163MSTW/L1**[1] |
| Steel tap-off with TP MCB | 10 A | 3-phase | TPN | IP4X | **LTA310MSTW** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316MSTW** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320MSTW** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332MSTW** |
| | 40 A | 3-phase | TPN | IP4X | **LTA340MSTW** |
| | 50 A | 3-phase | TPN | IP4X | **LTA350MSTW** |
| | 63 A | 3-phase | TPN | IP4X | **LTA363MSTW** |

[1] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA110MSTW/L2**

LTA163MSTC/L1



## Steel tap-off with MCB & industrial socket

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with SP MCB + CE socket | 16 A | L1 | SPN | IP4X | **LTA116MSTC/L1**[1)] |
| | 20 A | L1 | SPN | IP4X | **LTA120MSTC/L1**[1)] |
| | 32 A | L1 | SPN | IP4X | **LTA132MSTC/L1**[1)] |
| | 40 A | L1 | SPN | IP4X | **LTA140MSTC/L1**[1)] |
| | 50 A | L1 | SPN | IP4X | **LTA150MSTC/L1**[1)] |
| | 63 A | L1 | SPN | IP4X | **LTA163MSTC/L1**[1)] |
| LTA363MSTC | | | | | |
| Steel tap-off with TP MCB + CE socket | 10 A | 3-phase | TPN | IP4X | **LTA310MSTC** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316MSTC** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320MSTC** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332MSTC** |
| | 63 A | 3-phase | TPN | IP4X | **LTA363MSTC** |
| Steel tap-off TP + CE socket, no MCB | 16 A | 3-phase | TPN | IP4X | **LTA7** |
| | 32 A | 3-phase | TPN | IP4X | **LTA8** |
| | 63 A | 3-phase | TPN | IP4X | **LTA9** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA116MSTC/L2**

LTA132MSTCW/L1



## Steel tap-off with MCB & industrial socket c/w viewing window

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with SP MCB + CE socket | 16 A | L1 | SPN | IP4X | **LTA116MSTCW/L1**[1)] |
| | 20 A | L1 | SPN | IP4X | **LTA120MSTCW/L1**[1)] |
| | 32 A | L1 | SPN | IP4X | **LTA132MSTCW/L1**[1)] |
| LTA316MSTCW | | | | | |
| Steel tap-off with TP MCB + CE socket | 10 A | 3-phase | TPN | IP4X | **LTA310MSTCW** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316MSTCW** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320MSTCW** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332MSTCW** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA116MSTCW/L2**

LTA16MSTC2/L1+2



## Steel tap-off with 2 x MCB & 2 x industrial socket

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with MCB + 2 CE sockets | 16 A | L1&L2 | SPN | IP4X | **LTA16MSTC2/L1+2** |
| | | L1&L3 | SPN | IP4X | **LTA16MSTC2/L1+3** |
| | | L2&L3 | SPN | IP4X | **LTA16MSTC2/L2+3** |
| | 20 A | L1&L2 | SPN | IP4X | **LTA20MSTC2/L1+2** |
| | | L1&L3 | SPN | IP4X | **LTA20MSTC2/L1+3** |
| | | L2&L3 | SPN | IP4X | **LTA20MSTC2/L2+3** |
| | 32 A | L1&L2 | SPN | IP4X | **LTA32MSTC2/L1+2** |
| | | L1&L3 | SPN | IP4X | **LTA32MSTC2/L1+3** |
| | | L2&L3 | SPN | IP4X | **LTA32MSTC2/L2+3** |

LTA16MSTC2WL1+2



## Steel tap-off with 2 x MCB & 2 x industrial socket c/w viewing window

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- Fitted with 2 x MCB and 2 x CE industrial socket & protective window

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with MCB + 2 CE sockets + window | 16 A | L1&L2 | SPN | IP4X | **LTA16MSTC2WL1+2** |
| | | L1&L3 | SPN | IP4X | **LTA16MSTC2WL1+3** |
| | | L2&L3 | SPN | IP4X | **LTA16MSTC2WL2+3** |
| | 20 A | L1&L2 | SPN | IP4X | **LTA20MSTC2WL1+2** |
| | | L1&L3 | SPN | IP4X | **LTA20MSTC2WL1+3** |
| | | L2&L3 | SPN | IP4X | **LTA20MSTC2WL2+3** |
| | 32 A | L1&L2 | SPN | IP4X | **LTA32MSTC2WL1+2** |
| | | L1&L3 | SPN | IP4X | **LTA32MSTC2WL1+3** |
| | | L2&L3 | SPN | IP4X | **LTA32MSTC2WL2+3** |

LTA310MSTC2



## Steel tap-off with MCB & 2 x industrial socket

- Outgoing device - MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with TP MCB + 2 CE sockets | 10 A | 3-phase | TPN | IP4X | **LTA310MSTC2** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316MSTC2** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320MSTC2** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332MSTC2** |
| Steel tap-off TP, no MCB | 16 A | 3-phase | TPN | IP4X | **LTA10** |
| | 32 A | 3-phase | TPN | IP4X | **LTA11** |

LTA310MSTC2W



## Steel tap-off with MCB & 2 x industrial socket c/w viewing window

- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| MCB+2CE socket steel tap-off | 10 A | 3-phase | TPN | IP4X | **LTA310MSTC2W** |
| | 16 A | 3-phase | TPN | IP4X | **LTA316MSTC2W** |
| | 20 A | 3-phase | TPN | IP4X | **LTA320MSTC2W** |
| | 32 A | 3-phase | TPN | IP4X | **LTA332MSTC2W** |

LTA106MST/R/L1



## Steel tap-off with RCBO

- Outgoing device – RCBO type C 30mA sensitivity
- 10 kA to IEC / EN 61009
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with SP RCBO 30 mA | 6 A | L1 | SPN | IP4X | **LTA106MST/R/L1**[1)] |
| | 10 A | L1 | SPN | IP4X | **LTA110MST/R/L1**[1)] |
| | 16 A | L1 | SPN | IP4X | **LTA116MST/R/L1**[1)] |
| | 20 A | L1 | SPN | IP4X | **LTA120MST/R/L1**[1)] |
| | 32 A | L1 | SPN | IP4X | **LTA132MST/R/L1**[1)] |
| | 40 A | L1 | SPN | IP4X | **LTA140MST/R/L1**[1)] |
| | 45 A | L1 | SPN | IP4X | **LTA145MST/R/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA106MST/R/L2**

LTA106MSTW/R/L1



## Steel tap-off with RCBO c/w viewing window

- Outgoing device – RCBO type C 30mA sensitivity
- 10 kA to IEC / EN 61009
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with SP RCBO 30 mA | 6 A | L1 | SPN | IP4X | **LTA106MSTW/R/L1**[1)] |
| | 10 A | L1 | SPN | IP4X | **LTA110MSTW/R/L1**[1)] |
| | 16 A | L1 | SPN | IP4X | **LTA116MSTW/R/L1**[1)] |
| | 20 A | L1 | SPN | IP4X | **LTA120MSTW/R/L1**[1)] |
| | 32 A | L1 | SPN | IP4X | **LTA132MSTW/R/L1**[1)] |
| | 40 A | L1 | SPN | IP4X | **LTA140MSTW/R/L1**[1)] |
| | 45 A | L1 | SPN | IP4X | **LTA145MSTW/R/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA106MSTW/R/L2**

LTA16MSTS2



## European standard steel tap-off with MCB & Schuko socket

- European standard enclosure
- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with 1 SP MCB c/w 1 Schuko socket | 16 A | L1 | SPN | IP4X | **LTA16MSTS1**[1)] |
| Steel tap-off with 2 SP MCB c/w 2 Schuko socket | 16 A | L1&L3 | SPN | IP4X | **LTA16MSTS2** |
| Steel tap-off with 3 SP MCB c/w 3 Schuko socket | 16 A | L1,L2,L3 | SPN | IP4X | **LTA16MSTS3** |
| Steel tap-off with 1 Schuko, no MCBs | 16 A | L1 | SPN | IP4X | **LTA12**[1)] |
| Steel tap-off with 2 Schuko, no MCBs | 16 A | L1&L3 | SPN | IP4X | **LTA13** |
| Steel tap-off with 3 Schuko, no MCBs | 16 A | L1,L2,L3 | SPN | IP4X | **LTA14** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA16MSTS1/L2**

LTA16MSTS2W



## European standard steel tap-off with MCB & Schuko socket c/w viewing window

- European standard enclosure
- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with 1 SP MCB c/w 1 Schuko socket | 16 A | L1 | SPN | IP4X | **LTA16MSTS1W**[1)] |
| Steel tap-off with 2 SP MCB c/w 2 Schuko socket | 16 A | L1&L3 | SPN | IP4X | **LTA16MSTS2W** |
| Steel tap-off with 3 SP MCB c/w 3 Schuko socket | 16 A | L1,L2,L3 | SPN | IP4X | **LTA16MSTS3W** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **LTA16MSTS1W/L2**

LTA16MSTS2C1



## European standard steel tap-off with MCB, CE socket & Schuko socket

- European standard enclosure
- Outgoing device – MCB Type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with 3 SP MCB + 1 CE socket + 2 Schuko | 16 A | L1,L2,L3 | SPN | IP4X | **LTA16MSTS2C1** |
| Steel tap-off with 2 Schuko + 1 CE socket, no MCB's | 16 A | L1,L2,L3 | SPN | IP4X | **LTA15** |

LTA16MSTS2C1W



## European standard steel tap-off with MCB, CE socket & Schuko socket c/w viewing window

- European standard enclosure
- Outgoing device – MCB Type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Rating | Phase | No of poles | Ingress protection | Eaton list number |
|---|---|---|---|---|---|
| Steel tap-off with 3 SP MCB + 1CE socket + 2 Schuko + window | 16 A | L1,L2,L3 | SPN | IP4X | **LTA16MSTS2C1W** |

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# 4.1 Medium Power range, 125 - 800 A

## Medium Power range in aluminium and copper, overview

For 125, 160, 250, 400, 630 A and 800 A applications Eaton's Power Xpert® Busbar MP system is the natural extension to the LP range. Assembly of the pre-fabricated units is made easy with the housing offering IP4X protection as standard (IP54 and tin plated versions available on request).

### MP Aluminium range

The MP Aluminium range is tested according to IEC 61439-6, EN 61439-6 and BSEN 61439-6.

### MP Copper range

The MP Copper range is tested according to IEC 60439-2, EN 60439-2 and BSEN 60439-2.

### General characteristics MP range

The aluminium profile with interlocking, flame retardant moulded covers provide both support and segregation for the five conductors and includes tapping outlets every third of a metre. The fifth bar can be used as a clean earth when specified, in which case the aluminium profile provides a separate protective earth.

A full size neutral is incorporated.

A wide range of metalclad tap-off units including switch disconnectors, fuse units, MCCBs, fuse combination switches and MCBs are available along with a large selection of angles and accessories.

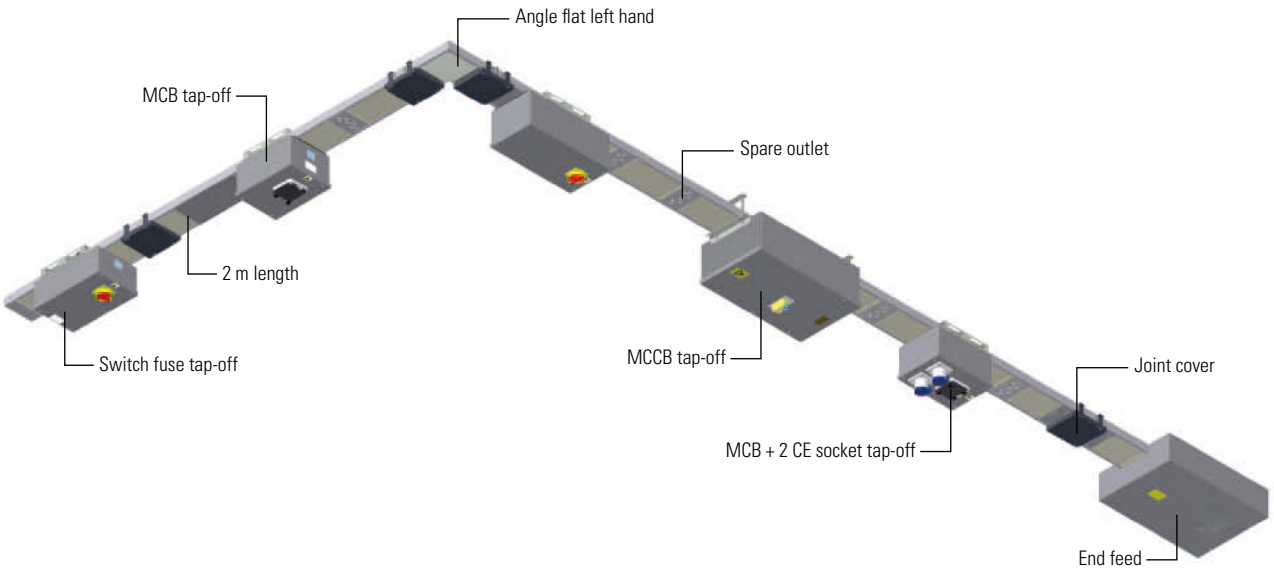
For riser applications it is recommended that a block bar is fitted every 9 metres and it is fitted integral to the straight length. Aluminium ratings 250 A, 400 A and 630 A are supplied as standard with block bar fitted. Copper ratings 630 A and 800 A are supplied as standard with block bar.

The aluminium busbar 250 A, 400 A , 630 A and copper 800 A busbar incorporates a single bolt joint connection complete with a torque set spanner, which presets the connection torque on installation. These torque spanners are available for future maintenance as a separate item. The cassette joint pack also allows removal of installed lengths without disturbing the rest of the installation, allowing more flexible installation scheme to be managed.

See tap-off type in tables below and page 107 for dimensional drawings.

See page 111 for technical details.

### Power Xpert® MP construction overview



## Explanation of Eaton list number

**MP A 3 125 T EF X**

**Range of busbar**

**MP** = Medium Power

**Type of inductor**

**A** = Aluminium

Leave blank for copper conductor

**Length of bar**

**1** = 1 m
**2** = 2 m
**3** = 3 m

Leave Blank if choosing accessories

**Current rating**

**125** = 125 A (n/a in Aluminium)
**160** = 160 A
**250** = 250 A
**400** = 400 A
**630** = 630 A
**800** = 800 A (n/a in Aluminium)

**Plated: Copper bar (only)**

**T** = Tin plated

**X** = IP54

Leave blank for un-tinned

**Degree of protection**

**X** = IP54

Leave blank for IP4X

**Feed units**

**EF** = End feed
**REF** = Reverse End feed
**EFNSW** = Switched End feed
**REFNSW** = Reverse switched End feed
**CFLHN** = Centre feed left hand
**CFRHN** = Centre feed right hand
**FUN** = Flange unit
**RFU** = Reverse flange unit

**AFLHFN** = Angle flat left hand flange unit
**AFRHFN** = Angle flat right hand flange unit
**AIEFN** = Angle inside edge flange unit
**AOEFN** = Angle outside edge flange unit

**IS** = Intersection unit
**FTLHFN** = Flat Tee left hand unit
**FTRHFN** = Flat Tee right hand unit
**FB** = Fire Barrier
**EXTFBKIT** = External Fire Barrier kit

**JPN** = Joint cartridge (including covers)
**EC** = End cover
**REC** = Reverse End cover
**UFB** = Univeral fixing bracket
**RFB** = Vertical mounting bracket
**BB** = Block bar

# 4.3 Medium Power range - aluminium, 160 - 630 A

MP aluminium busbars

MPA3400FN



## Lengths

| Description | Eaton list number 160 A | 250 A | 400 A | 630 A |
|---|---|---|---|---|
| 1 m straight length | **MPA1160FN**[1)] | **MPA1250FN**[1)] | **MPA1400FN**[1)] | **MPA1630FN**[1)] |
| 2 m straight length | **MPA2160FN**[1)] | **MPA2250FN**[1)] | **MPA2400FN**[1)] | **MPA2630FN**[1)] |
| 3 m straight length | **MPA3160FN**[1)] | **MPA3250FN**[1)] | **MPA3400FN**[1)] | **MPA3630FN**[1)] |

[1)] Add '**X**' for IP54

MPA400EFN



MPA400REFN



## Feeders

| Description | Eaton list number 160 A | 250 A | 400 A | 630 A |
|---|---|---|---|---|
| End feed unit | **MPA160EFN**[1)] | **MPA250EFN**[1)] | **MPA400EFN**[1)] | **MPA630EFN**[1)] |
| Reverse end feed unit | **MPA160REFN**[1)] | **MPA250REFN**[1)] | **MPA400REFN**[1)] | **MPA630REFN**[1)] |
| Switched end feed | **MPA160EFNSW**[1)] | **MPA250EFNSW**[1)] | **MPA400EFNSW**[1)] | **MPA630EFNSW**[1)] |
| Switched reverse end feed | **MPA160REFNSW**[1)] | **MPA250REFNSW**[1)] | **MPA400REFNSW**[1)] | **MPA630REFNSW**[1)] |
| Centre feed | – | – | – | – – |
| Centre feed left hand | **MPA160CFLHN**[1)] | **MPA250CFLHN**[1)] | **MPA400CFLHN**[1)] | **MPA630CFLHN**[1)] |
| Centre feed right hand | **MPA160CFRHN**[1)] | **MPA250CFRHN**[1)] | **MPA400CFRHN**[1)] | **MPA630CFRHN**[1)] |
| Flange unit | – | – | **MPA400FUN**[1)] | **MPA630FUN**[1)] |
| Reverse flange unit | – | – | **MPA400RFUN**[1)] | **MPA630RFUN**[1)] |

[1)] Add '**X**' for IP54

MPA400CFRHFN



MPA400AFLHFN



## Angles

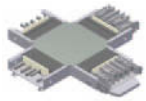
| Description | Eaton list number 160 A | 250 A | 400 A | 630 A |
|---|---|---|---|---|
| Angle flat left hand | **MPA160AFLHFN**[1)] | **MPA250AFLHFN**[1)] | **MPA400AFLHFN**[1)] | **MPA630AFLHFN**[1)] |
| Angle flat right hand | **MPA160AFRHFN**[1)] | **MPA250AFRHFN**[1)] | **MPA400AFRHFN**[1)] | **MPA630AFRHFN**[1)] |
| Angle inside edge | **MPA160AIEFN**[1)] | **MPA250AIEFN**[1)] | **MPA400AIEFN**[1)] | **MPA630AIEFN**[1)] |
| Angle outside edge | **MPA160AOEFN**[1)] | **MPA250AOEFN**[1)] | **MPA400AOEFN**[1)] | **MPA630AOEFN**[1)] |

[1)] Add '**X**' for IP54

MPA400AIEFN



MPA250ISFN



## Intersections & Tee's

| Description | Eaton list number 160 A | 250 A | 400 A | 630 A |
|---|---|---|---|---|
| 4 way intersection | **MPA160ISFN**[1)] | **MPA250ISFN**[1)] | **MPA400ISFN**[1)] | **MPA630ISFN**[1)] |
| Flat tee left hand | **MPA160FTLHFN**[1)] | **MPA250FTLHFN**[1)] | **MPA400FTLHFN**[1)] | **MPA630FTLHFN**[1)] |
| Flat tee right hand | **MPA160FTRHFN**[1)] | **MPA250FTRHFN**[1)] | **MPA400FTRHFN**[1)] | **MPA630FTRHFN**[1)] |

[1)] Add '**X**' for IP54

MPA400FTRHFN



MP1JPN



MPB250UFB



MP800RFB



## Accessories

| Description | Eaton list number 160 A | 250 A | 400 A | 630 A |
|---|---|---|---|---|
| **4 hour rated fire barrier ISO834** | | | | |
| Internal fire barrier | **MP250FB** | **MP630FB** | **MP630FB** | **MP630FB** |
| **External fire barrier kit – conforming to EN1366-3 & DIN4102-9** | | | | |
| External fire barrier kit | **MPA160EXTFBKIT** | **MPA400EXTFBKIT** | **MPA400EXTFBKIT** | **MPA630EXTFBKIT** |
| Universal fixing bracket | **MPB250UFB** | **MPB800UFB** | **MPB800UFB** | **MPB800UFB** |
| Vertical mounting bracket | **MP800RFB** | **MP800RFB** | **MP800RFB** | **MP800RFB** |
| End cover | **MP250EC** | **MP800EC** | **MP800EC** | **MP800EC** |
| Block bar for vertical installations | **MPBB** | – | – | – |
| Joint pack | – | **MP1JPN** | **MP2JPN** | **MP2JPN** |

# 4.4 Medium Power range - copper, 125 - 800 A

MP copper busbars

MP3400FN



## Lengths

| Description | Eaton list number 125 A | 160 A | 250 A | 400 A | 630 A | 800 A |
|---|---|---|---|---|---|---|
| 1 m straight length | **MP1125**[1), 2)] | **MP1160FN**[1), 2)] | **MP1250**[1)]**FN**[2)] | **MP1400**[1)]**FN**[2)] | **MP1630**[1)]**FN**[2)] | **MP1800FNE**[1), 2)] |
| 2 m straight length | **MP2125**[1), 2)] | **MP2160FN**[1), 2)] | **MP2250**[1)]**FN**[2)] | **MP2400**[1)]**FN**[2)] | **MP2630**[1)]**FN**[2)] | **MP2800FNE**[1), 2)] |
| 3 m straight length | **MP3125**[1), 2)] | **MP3160FN**[1), 2)] | **MP3250**[1)]**FN**[2)] | **MP3400**[1)]**FN**[2)] | **MP3630**[1)]**FN**[2)] | **MP3800FNE**[1), 2)] |

[1)] Insert '**T**' for Tin plated Busbar
[2)] Add '**X**' for IP54

MP400EFN



MP400REFN



## Feeders

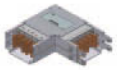
| Description | Eaton list number 125 A | 160 A | 250 A | 400 A | 630 A | 800 A |
|---|---|---|---|---|---|---|
| End feed unit | **MP125**[1)]**EF**[2)] | **MP160**[1)]**EFN**[2)] | **MP250**[1)]**EFN**[2)] | **MP400**[1)]**EFN**[2)] | **MP630**[1)]**EFN**[2)] | **MP800EFFNE**[1), 2)] |
| Reverse end feed unit | **MP125**[1)]**REF**[2)] | **MP160**[1)]**REFN**[2)] | **MP250**[1)]**REFN**[2)] | **MP400**[1)]**REFN**[2)] | **MP630**[1)]**REFN**[2)] | **MP800REFFNE**[1), 2)] |
| Switched end feed | **MP125**[1)]**EFSW**[2)] | **MP160**[1)]**EFNSW**[2)] | **MP250**[1)]**EFNSW**[2)] | **MP400**[1)]**EFNSW**[2)] | **MP630**[1)]**EFNSW**[2)] | **MP800EFFNESW**[1), 2)] |
| Switched reverse end feed | **MP125**[1)]**REFSW**[2)] | **MP160**[1)]**REFNSW**[2)] | **MP250**[1)]**REFNSW**[2)] | **MP400**[1)]**REFNSW**[2)] | **MP630**[1)]**REFNSW**[2)] | **MP800REFFNESW**[1), 2)] |
| Centre feed | **MP125**[1)]**CF**[2)] | – | – | – | – | – |
| Centre feed left hand | – | **MP160**[1)]**CFLHN**[2)] | **MP250**[1)]**CFLHN**[2)] | **MP400**[1)]**CFLHN**[2)] | **MP630**[1)]**CFLHN**[2)] | **MP800CFLHFNE**[1), 2)] |
| Centre feed right hand | – | **MP160**[1)]**CFRHN**[2)] | **MP250**[1)]**CFRHN**[2)] | **MP400**[1)]**CFRHN**[2)] | **MP630**[1)]**CFRHN**[2)] | **MP800CFRHFNE**[1), 2)] |
| Flange unit | – | – | – | **MP400**[1)]**FUN**[2)] | **MP630**[1)]**FUN**[2)] | **MP800FUFNE**[1), 2)] |
| Reverse flange unit | – | – | – | **MP400**[1)]**RFUN**[2)] | **MP630**[1)]**RFUN**[2)] | **MP800RFUFNE**[1), 2)] |

[1)] Insert '**T**' for Tin plated Busbar
[2)] Add '**X**' for IP54

MP800CFRHFNE



MP800AFLHFNE



## Angles

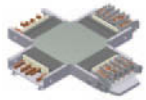
| Description | Eaton list number 125 A | 160 A | 250 A | 400 A | 630 A | 800 A |
|---|---|---|---|---|---|---|
| Angle flat left hand | **MP125**[1)]**AFLH**[2)] | **MP160**[1)]**AFLHFN**[2)] | **MP250**[1)]**AFLHFN**[2)] | **MP400**[1)]**AFLHFN**[2)] | **MP630**[1)]**AFLHFN**[2)] | **MP800AFLHFNE**[1), 2)] |
| Angle flat right hand | **MP125**[1)]**AFRH**[2)] | **MP160**[1)]**AFRHFN**[2)] | **MP250**[1)]**AFRHFN**[2)] | **MP400**[1)]**AFRHFN**[2)] | **MP630**[1)]**AFRHFN**[2)] | **MP800AFRHFNE**[1), 2)] |
| Angle inside edge | **MP125**[1)]**AIE**[2)] | **MP160**[1)]**AIEFN**[2)] | **MP250**[1)]**AIEFN**[2)] | **MP400**[1)]**AIEFN**[2)] | **MP630**[1)]**AIEFN**[2)] | **MP800AIEFNE**[1), 2)] |
| Angle outside edge | **MP125**[1)]**AOE**[2)] | **MP160**[1)]**AOEFN**[2)] | **MP250**[1)]**AOEFN**[2)] | **MP400**[1)]**AOEFN**[2)] | **MP630**[1)]**AOEFN**[2)] | **MP800AOEFNE**[1), 2)] |

[1)] Insert '**T**' for Tin plated Busbar
[2)] Add '**X**' for IP54

MP800AIEFNE



MP250ISFN



## Intersections & Tee's

| Description | Eaton list number 125 A | 160 A | 250 A | 400 A | 630 A | 800 A |
|---|---|---|---|---|---|---|
| 4 way intersection | **MP125**[1)]**IS**[2)] | **MP160**[1)]**ISFN**[2)] | **MP250**[1)]**ISFN**[2)] | **MP400**[1)]**ISFN**[2)] | **MP630**[1)]**ISFN**[2)] | – |
| Flat tee left hand | **MP125**[1)]**FTLH**[2)] | **MP160**[1)]**FTLHFN**[2)] | **MP250**[1)]**FTLHFN**[2)] | **MP400**[1)]**FTLHFN**[2)] | **MP630**[1)]**FTLHFN**[2)] | **MP800FTLHFNE**[1), 2)] |
| Flat tee right hand | **MP125**[1)]**FTRH**[2)] | **MP160**[1)]**FTRHFN**[2)] | **MP250**[1)]**FTRHFN**[2)] | **MP400**[1)]**FTRHFN**[2)] | **MP630**[1)]**FTRHFN**[2)] | **MP800FTRHFNE**[1), 2)] |

[1)] Insert '**T**' for Tin plated Busbar
[2)] Add '**X**' for IP54

MP800FTRHFNE



MP800JPNE



MPB250UFB



MP800RFB



## Accessories

| Description | Eaton list number 125 A | 160 A | 250 A | 400 A | 630 A | 800 A |
|---|---|---|---|---|---|---|
| **4 hour rated fire barrier ISO834** | | | | | | |
| Internal fire barrier | **MP250FB** | **MP250FB** | **MP250FB** | **MP630FB** | **MP630FB** | **MP630FB** |
| **External fire barrier kit – conforming to EN1366-3 & DIN4102-9** | | | | | | |
| External fire barrier kit | **MP250EXTFBKIT** | **MP250EXTFBKIT** | **MP250EXTFBKIT** | **MP630EXTFBKIT** | **MP630EXTFBKIT** | **MP800EXTFBKIT** |
| Universal fixing bracket | **MPB250UFB** | **MPB250UFB** | **MPB250UFB** | **MPB800UFB** | **MPB800UFB** | **MPB800UFB** |
| Vertical mounting bracket | **MP800RFB** | **MP800RFB** | **MP800RFB** | **MP800RFB** | **MP800RFB** | **MP800RFB** |
| End cover | **MP250EC** | **MP250EC** | **MP250EC** | **MP800EC** | **MP800EC** | **MP800EC** |
| Reverse end cover | **MP250REC** | **MP250REC** | **MP250REC** | **MP630REC** | **MP630REC** | – |
| Block bar for vertical installations | **MPBB** | **MPBB** | **MPBB** | **MPBB** | **MPBB** | **MPBB** |
| Joint pack | – | – | – | – | – | **MP800JPNE** |

MTB106M/L1



## Tap-off with MCB

- In steel enclosure
- Outgoing device – MCBs type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB | L1 | SPN | IP4X | F | 6 A | **MTB106M/L1**[1)] |
| | | | | | 10 A | **MTB110M/L1**[1)] |
| | | | | | 16 A | **MTB116M/L1**[1)] |
| | | | | | 20 A | **MTB120M/L1**[1)] |
| | | | | | 25 A | **MTB125M/L1**[1)] |
| | | | | | 32 A | **MTB132M/L1**[1)] |
| | | | | | 40 A | **MTB140M/L1**[1)] |
| | | | | | 50 A | **MTB150M/L1**[1)] |
| | | | | | 63 A | **MTB163M/L1**[1)] |
| MTB306M | | | | | | |
| Tap-off with MCB | 3 | TPN | IP4X | F | 6 A | **MTB306M** |
| | | | | | 10 A | **MTB310M** |
| | | | | | 16 A | **MTB316M** |
| | | | | | 20 A | **MTB320M** |
| | | | | | 25 A | **MTB325M** |
| | | | | | 32 A | **MTB332M** |
| | | | | | 40 A | **MTB340M** |
| | | | | | 50 A | **MTB350M** |
| | | | | | 63 A | **MTB363M** |
| Empty tap-off for MCB | 3 | TPN | IP4X | F | 63 A | **MTB1** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB106M/L2**

MTB106MW/L1



## Tap-off with MCB c/w viewing window

- In steel enclosure
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB & window | L1 | SPN | IP54 | F | 6 A | **MTB106MW/L1**[1)] |
| | | | | | 10 A | **MTB110MW/L1**[1)] |
| | | | | | 16 A | **MTB116MW/L1**[1)] |
| | | | | | 20 A | **MTB120MW/L1**[1)] |
| | | | | | 25 A | **MTB125MW/L1**[1)] |
| | | | | | 32 A | **MTB132MW/L1**[1)] |
| | | | | | 40 A | **MTB140MW/L1**[1)] |
| | | | | | 50 A | **MTB150MW/L1**[1)] |
| | | | | | 63 A | **MTB163MW/L1**[1)] |
| MTB306MW | | | | | | |
| Tap-off with MCB & window | 3 | TPN | IP54 | F | 6 A | **MTB306MW** |
| | | | | | 10 A | **MTB310MW** |
| | | | | | 16 A | **MTB316MW** |
| | | | | | 20 A | **MTB320MW** |
| | | | | | 25 A | **MTB325MW** |
| | | | | | 32 A | **MTB332MW** |
| | | | | | 40 A | **MTB340MW** |
| | | | | | 50 A | **MTB350MW** |
| | | | | | 63 A | **MTB363MW** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB106MW/L2**

MTB106M/R/L1



## Tap-off with RCBO

- In steel enclosure
- Outgoing device – RCBO type C 30mA sensitivity
- 10 kA to IEC / EN 61009
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with RCBO 30 mA | L1 | SPN | IP4X | F | 6 A | **MTB106M/R/L1**[1)] |
| | | | | | 10 A | **MTB110M/R/L1**[1)] |
| | | | | | 16 A | **MTB116M/R/L1**[1)] |
| | | | | | 20 A | **MTB120M/R/L1**[1)] |
| | | | | | 32 A | **MTB132M/R/L1**[1)] |
| | | | | | 40 A | **MTB140M/R/L1**[1)] |
| | | | | | 45 A | **MTB145M/R/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB106M/R/L2**

MTB106MW/R/L1



## Tap-off with RCBO c/w viewing window

- In steel enclosure
- Outgoing device – RCBO type C 30mA sensitivity
- 10 kA to IEC / EN 61009
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with RCBO 30 mA & window | L1 | SPN | IP54 | F | 6 A | **MTB106MW/R/L1**[1)] |
| | | | | | 10 A | **MTB110MW/R/L1**[1)] |
| | | | | | 16 A | **MTB116MW/R/L1**[1)] |
| | | | | | 20 A | **MTB120MW/R/L1**[1)] |
| | | | | | 32 A | **MTB132MW/R/L1**[1)] |
| | | | | | 40 A | **MTB140MW/R/L1**[1)] |
| | | | | | 45 A | **MTB145MW/R/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB106MW/R/L2**

MTB180HT/L1



## High load tap-off with MCB

- In steel enclosure
- Outgoing device – MCB type C
- 15 kA & 20 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB PLHT | L1 | SPN | IP4X | F | 80 A | **MTB180HT/L1**[1)] |
| | | | | | 100 A | **MTB1100HT/L1**[1)] |
| | | | | | 125 A | **MTB1125HT/L1**[1)] |
| MTB380HT | | | | | | |
| Tap-off with MCB PLHT | 3 | TPN | IP4X | F | 32 A | **MTB332HT** |
| | | | | | 63 A | **MTB363HT** |
| | | | | | 80 A | **MTB380HT** |
| | | | | | 100 A | **MTB3100HT** |
| | | | | | 125 A | **MTB3125HT** |
| Empty tap-off for MCB PLHT (enclosure only) | 3 | TPN | IP4X | F | 125 A | **MTB2** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB180HT/L2**

MTB180HT/D/L1



## High load tap-off with MCB

- In steel enclosure
- Outgoing device – MCB type D
- 15 kA & 20 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB PLHT type D | L1 | SPN | IP4X | F | 80 A | **MTB180HT/D/L1**[1)] |
| | | | | | 100 A | **MTB1100HT/D/L1**[1)] |
| | | | | | 125 A | **MTB125HT/D/L1**[1)] |
| Tap-off with MCB PLHT type D | 3 | TPN | IP4X | F | 32 A | **MTB332HT/D** |
| | | | | | 63 A | **MTB363HT/D** |
| | | | | | 80 A | **MTB380HT/D** |
| | | | | | 100 A | **MTB3100HT/D** |

MTB380HT/D



[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB180HT/D/L2**

MTB113B/L1



## Tap-off with13 A moulded 2G DP Sw socket

- Mounted to steel enclosure
- BS1363 part 2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| 2 gang switched socket | L1 | DP | – | F | 13 A | **MTB113B/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB113B/L2**

MTB113B/RCD/L1



## Tap-off with13 A moulded 2G DP 30mA RCD Sw socket

- Mounted in steel enclosure
- BS7288
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| 2 gang switched RCD socket | L1 | DP | – | F | 13 A | **MTB113B/RCD/L1**[1)] |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB113B/RCD/L2**

MT116MC1/L1



## Tap-off with MCB & industrial socket

- In steel enclosure
- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB + CE socket | L1 | SPN | IP4X | F | 16 A | **MTB116MC1/L1**[1)] |
| | | | | | 32 A | **MTB132MC1/L1**[1)] |
| | | | | | 63 A | **MTB163MC1/L1**[1)] |
| Tap-off with MCB + CE socket | 3 | TPN | IP4X | F | 16 A | **MTB316MC1** |
| | | | | | 32 A | **MTB332MC1** |
| | | | | | 63 A | **MTB363MC1** |
| MCB + CE socket tap-off (no MCB, enclosure only) | 3 | TPN | IP4X | F | 32 A | **MTB3** |
| | | | | | 63 A | **MTB4** |

MTB316MC1



[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB116MC1/L2**

MTB116MC1W/L1



## Tap-off with MCB & industrial socket c/w viewing window

- In steel enclosure
- Outgoing device – MCB Type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB + CE socket & window | L1 | SPN | IP44 | F | 16 A | **MTB116MC1W/L1**[1)] |
| | | | | | 32 A | **MTB132MC1W/L1**[1)] |
| | | | | | 63 A | **MTB163MC1W/L1**[1)] |
| Tap-off with MCB + CE socket & window | 3 | TPN | IP44 | F | 16 A | **MTB316MC1W** |
| | | | | | 32 A | **MTB332MC1W** |
| | | | | | 63 A | **MTB363MC1W** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB116MC1W/L2**

MTB316MC2



## Tap-off with MCB & 2 x industrial socket

- In steel enclosure
- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB + 2 x CE socket | 3 | TPN | IP4X | F | 16 A | **MTB316MC2** |
| | | | | | 32 A | **MTB332MC2** |
| MCB + 2 x CE socket tap-off (no MCB) | 3 | TPN | IP4X | F | 32 A | **MTB5** |

MTB316MC2W



## Tap-off with MCB & 2 x industrial socket c/w viewing window

- In steel enclosure
- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with 1 MCB + 2 x CE socket & window | 3 | TPN | IP44 | F | 16 A | **MTB316MC2W** |
| | | | | | 32 A | **MTB332MC2W** |

MTB2x16MC2/L1+2



## Tap-off with 2 x MCB & 2 x industrial socket

- In steel enclosure
- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | No of poles | Ingress protection | Tap-off Dim type | Rating | Phase | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with 2 x MCB + 2 x CE socket | SPN | IP4X | F | 16 A | L1 & L2 | **MTB2x16MC2/L1+2** |
| | | | | | L1 & L3 | **MTB2x16MC2/L1+3** |
| | | | | | L2 & L3 | **MTB2x16MC2/L2+3** |
| | | | | 20 A | L1 & L2 | **MTB2x20MC2/L1+2** |
| | | | | | L1 & L3 | **MTB2x20MC2/L1+3** |
| | | | | | L2 & L3 | **MTB2x20MC2/L2+3** |
| | | | | 32 A | L1 & L2 | **MTB2x32MC2/L1+2** |
| | | | | | L1 & L3 | **MTB2x32MC2/L1+3** |
| | | | | | L2 & L3 | **MTB2x32MC2/L2+3** |

MTB2x16MC2WL1+2



## Tap-off with 2 x MCB & 2 x industrial socket c/w viewing window

- In steel enclosure
- Outgoing device – MCB type C
- Dual rated, 10 kA to IEC 60898 and 15 kA to IEC 60947-2

| Description | No of poles | Ingress protection | Tap-off Dim type | Rating | Phase | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCB + 2CE sckt + window | SPN | IP44 | F | 16 A | L1 & L2 | **MTB2x16MC2WL1+2** |
| | | | | | L1 & L3 | **MTB2x16MC2WL1+3** |
| | | | | | L2 & L3 | **MTB2x16MC2WL2+3** |
| | | | | 20 A | L1 & L2 | **MTB2x20MC2WL1+2** |
| | | | | | L1 & L3 | **MTB2x20MC2WL1+3** |
| | | | | | L2 & L3 | **MTB2x20MC2WL2+3** |
| | | | | 32 A | L1 & L2 | **MTB2x32MC2WL1+2** |
| | | | | | L1 & L3 | **MTB2x32MC2WL1+3** |
| | | | | | L2 & L3 | **MTB2x32MC2WL2+3** |

MTB106B/L1



## Tap-off with fused BS88 (fuses links incl)

- In steel enclosure
- Outgoing device – BS88 fuse
- For single pole units take care to order specific phase as indicated in footnote below table

MTB306B



| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with fused BS88 | L1 | SPN | IP54 | F | 6 A | **MTB106B/L1**[1] |
| | | | | | 10 A | **MTB110B/L1**[1] |
| | | | | | 16 A | **MTB116B/L1**[1] |
| | | | | | 20 A | **MTB120B/L1**[1] |
| | | | | | 25 A | **MTB125B/L1**[1] |
| | | | | | 32 A | **MTB132B/L1**[1] |
| | | | | | 40 A | **MTB140B/L1**[1] |
| | | | | | 50 A | **MTB150B/L1**[1] |
| | | | | | 63 A | **MTB163B/L1**[1] |
| | | | | | 80 A | **MTB180B/L1**[1] |
| | | | | | 100 A | **MTB1100B/L1**[1] |
| | | | | C | 160 A | **MTB1160B/L1**[1] |
| | | | | | 200 A | **MTB1200B/L1**[1] |
| Tap-off with fused BS88 | 3 | TPN | IP54 | F | 6 A | **MTB306B** |
| | | | | | 10 A | **MTB310B** |
| | | | | | 16 A | **MTB316B** |
| | | | | | 20 A | **MTB320B** |
| | | | | | 25 A | **MTB325B** |
| | | | | | 32 A | **MTB332B** |
| | | | | | 40 A | **MTB340B** |
| | | | | | 50 A | **MTB350B** |
| | | | | | 63 A | **MTB363B** |
| | | | | | 80 A | **MTB380B** |
| | | | | | 100 A | **MTB3100B** |
| | | | | C | 160 A | **MTB3160B** |
| | | | | | 200 A | **MTB3200B** |
| Empty tap-off for BS/NH fuse | 3 | TPN | IP54 | F | 63 A[2] | **MTB10** |
| | | | | | 100 A[2] | **MTB11** |

[1] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB106B/L2**

[2] Rated empty box

MTB106BSW/L1



## Tap-off with switch fused BS88 (fuses links incl.)

- In steel enclosure
- Outgoing device – BS88 fuse
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with switch fused BS88 | L1 | SPN | IP54 | E | 6 A | **MTB106BSW/L1**[1)] |
| | | | | | 10 A | **MTB110BSW/L1**[1)] |
| | | | | | 16 A | **MTB116BSW/L1**[1)] |
| | | | | | 20 A | **MTB120BSW/L1**[1)] |
| | | | | | 25 A | **MTB125BSW/L1**[1)] |
| | | | | | 32 A | **MTB132BSW/L1**[1)] |
| | | | | | 40 A | **MTB140BSW/L1**[1)] |
| | | | | | 50 A | **MTB150BSW/L1**[1)] |
| | | | | | 63 A | **MTB163BSW/L1**[1)] |
| | | | | D | 80 A | **MTB180BSW/L1**[1)] |
| | | | | | 100 A | **MTB1100BSW/L1**[1)] |
| | | | | | 125 A | **MTB1125BSW/L1**[1)] |

MTB306BSW



| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with switch fused BS88 | 3 | TPN | IP54 | E | 6 A | **MTB306BSW** |
| | | | | | 10 A | **MTB310BSW** |
| | | | | | 16 A | **MTB316BSW** |
| | | | | | 20 A | **MTB320BSW** |
| | | | | | 25 A | **MTB325BSW** |
| | | | | | 32 A | **MTB332BSW** |
| | | | | | 40 A | **MTB340BSW** |
| | | | | | 50 A | **MTB350BSW** |
| | | | | | 63 A | **MTB363BSW** |
| | | | | D | 80 A | **MTB380BSW** |
| | | | | | 100 A | **MTB3100BSW** |
| | | | | | 125 A | **MTB3125BSW** |

[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB106BSW/L2**

MTB3100BFS



## Tap-off with fused combination switch BS88 (fuses links incl.)

- In steel enclosure
- Outgoing device – BS88 fuse

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with fused switch BS88 | 3 | TPN | IP54 | C | 100 A | **MTB3100BFS** |
| | | | | | 125 A | **MTB3125BFS** |
| | | | | | 160 A | **MTB3160BFS** |
| | | | | | 200 A | **MTB3200BFS** |
| | | | | | 250 A | **MTB3250BFS** |
| | | | | B | 315 A | **MTB3315BFS** |

MTB132NSW/L1



## Tap-off with switch fused NH00 (fuses links incl)

- In steel enclosure
- Outgoing device – Din NH fuse
- For single pole units take care to order specific phase as indicated in footnote below table

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with NH00 switch fused | L1 | SPN | IP54 | D | 32 A | **MTB132NSW/L1**[1)] |
| | | | | | 63 A | **MTB163NSW/L1**[1)] |
| | | | | | 80 A | **MTB180NSW/L1**[1)] |
| | | | | | 100 A | **MTB1100NSW/L1**[1)] |
| | | | | | 125 A | **MTB1125NSW/L1**[1)] |
| Tap-off with NH00 switch fused | 3 | TPN | IP54 | D | 32 A | **MTB332NSW** |
| | | | | | 63 A | **MTB363NSW** |
| | | | | | 80 A | **MTB380NSW** |
| | | | | | 100 A | **MTB3100NSW** |
| | | | | | 125 A | **MTB3125NSW** |

MTB332NSW



[1)] Single pole units are supplied for tapping-off a specific phase for the purpose of load balancing. Please specify L1, L2, L3 ie **MTB132NSW/L2**

MTB3125MB



## Tap-off with MCCB toggle operated

- In steel enclosure
- Outgoing device – MCCB

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCCB | 3 | TPN | IP4X | A | 63 A | **MTB363MB** |
| | | | | | 100 A | **MTB3100MB** |
| | | | | | 125 A | **MTB3125MB** |
| | | | | | 160 A | **MTB3160MB** |
| | | | | | 200 A | **MTB3200MB** |
| | | | | | 250 A | **MTB3250MB** |
| | 4 | TPSN | IP4X | A | 125 A | **MTB4125MB** |
| | | | | | 160 A | **MTB4160MB** |
| | | | | | 250 A | **MTB4250MB** |
| Empty tap-off (empty box) | 3 | TPN | IP4X | A | 160 A | **MTB12** |
| | | | | | 250 A | **MTB13** |

MTB4250MBR



## Tap-off with MCCB c/w rotary drive

- In steel enclosure
- Outgoing device – MCCB

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with MCCB | 3 | TPN | IP54 | C | 125 A | **MTB3125MBR** |
| | | | | | 160 A | **MTB3160MBR** |
| | | | | | 200 A | **MTB3200MBR** |
| | | | | | 250 A | **MTB3250MBR** |
| | | | | | 320 A | **MTB3320MBR** |
| | | | | | 400 A | **MTB3400MBR** |
| | 4 | TPSN | IP54 | C | 125 A | **MTB4125MBR** |
| | | | | | 160 A | **MTB4160MBR** |
| | | | | | 250 A | **MTB4250MBR** |
| | | | | B | 320 A | **MTB4320MBR** |
| | | | | | 400 A | **MTB4400MBR** |
| Empty tap-off (empty box) | 3 | TPN | IP54 | C | 160 A | **MTB14** |
| | | | | | 250 A | **MTB15** |
| | | | | B | 400 A | **MTB16** |

MPSPEC0457



## Tap-off with MCCB c/w rotary drive and kWh metered

- In steel enclosure
- Outgoing device – MCCB

| Description | Phase | No of poles | Ingress protection | Rating | Eaton list number |
|---|---|---|---|---|---|
| Tap-off with MCCB metered C/W kWh | 3 | TPN | IP54 | 63 A | **POA** |
| | | | | 100 A | **POA** |
| | | | | 125 A | **POA** |
| | | | | 160 A | **POA** |
| | | | | 200 A | **POA** |

MTB100RL



## Tap-off with house service cut out fuse

- In steel enclosure
- Outgoing device – BS1361 ø 30 mm Ferrule cap fuselink
- Tap-off units are fitted with 3 fused units and multiway Earth and Neutral assembly to allow for 3 circuits

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off with cut out fuse | L1,L2,L3 | SPN | IP54 | D | 63 A | **MTB63RL** |
| | | | | | 100 A | **MTB100RL** |

MTB160J



## Tap-off with electricity supply 'J' type fuse

- In steel enclosure
- Outgoing device – BS88 82 mm fixing centres

| Description | Phase | No of poles | Ingress protection | Tap-off Dim type | Rating | Eaton list number |
|---|---|---|---|---|---|---|
| Tap-off 'J' type fused | 3 | TPN | IP54 | C | 63 A | **MTB63J** |
| | | | | | 100 A | **MTB100J** |
| | | | | | 160 A | **MTB160J** |
| | | | | | 200 A | **MTB200J** |

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5.2 Explanation of Eaton list number ..... 55
5.3 XP aluminium ..... 56
5.4 XP tap-off units ..... 72

# 5.1 Low impedance XP range – aluminium, 800 - 4000 A

XP overview

Complementing the internationally established Power Xpert® Busbar range, the XP system brings the design of low impedance, sandwich construction busbar system to a new, superior level. Eaton's Power Xpert® Busbar XP system is available in ratings from 800 to 6300 A.

Power Xpert® Busbar XP trunking utilises aluminium-extruded housing bringing significant weight saving advantages whilst ensuring that strength and rigidity is enhanced.

These user-friendly features combine to maximise performance standards and greatly reduce installation times.

See page 113 for technical details.

See page 115 for dimensional drawings.

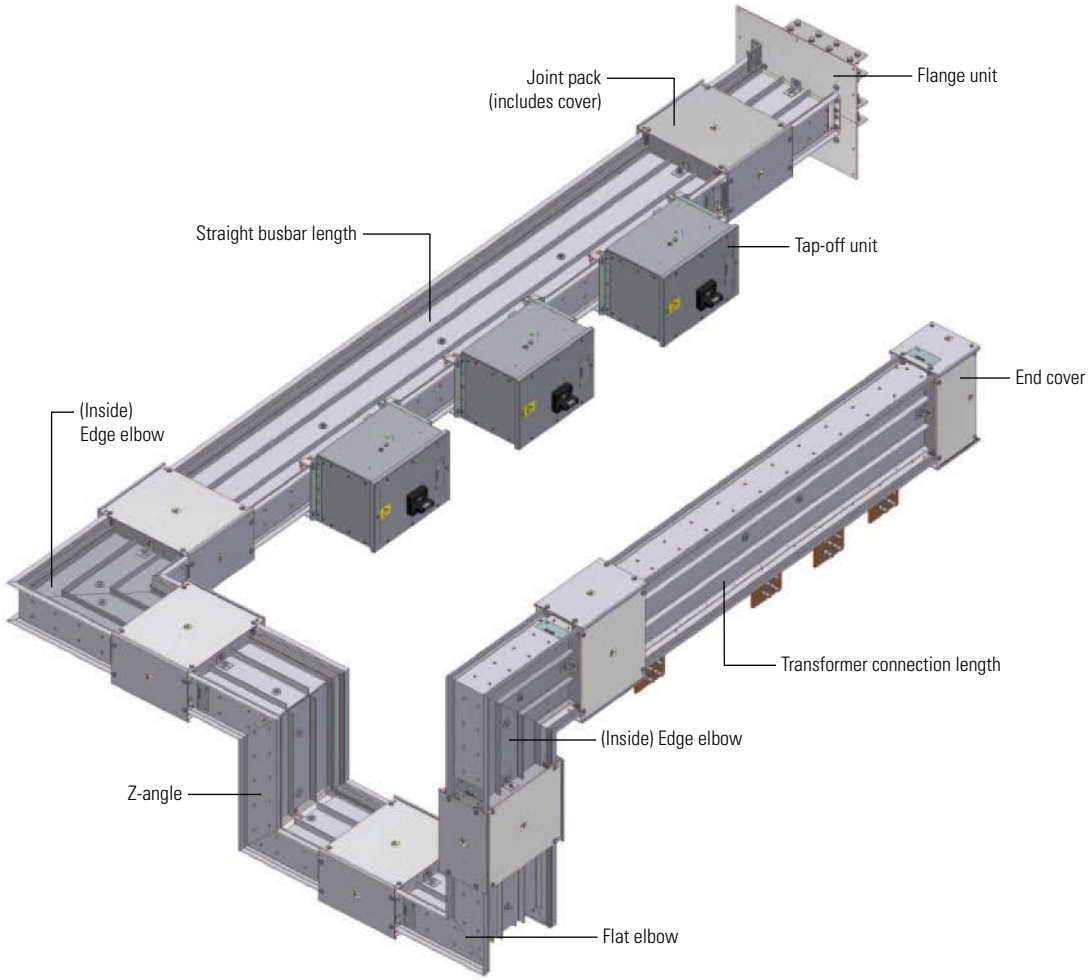
### XP Aluminium range

The XP Aluminium range is tested according to IEC 61439-6, EN 61439-6 and BSEN 61439-6.

### XP Copper range

The XP Copper range is tested according to IEC 61439-6, EN 61439-6 and BSEN 61439-6.

**Power Xpert® XP construction overview**



## Explanation of Eaton list number

**XC A D 3 10 4 F3**

**Range of busbar**

**XC** = Low impedance

**Type of inductor**

**A** = Aluminium

**Type of unit**

None Alpha = Straight length

**F** = Feeder
**D** = Distribution

**Length of bar**

**1** = 1 m
**2** = 2 m
**3** = 3 m

**Current rating**

**08** = 800 A
**10** = 1000 A
**12** = 1250 A
**16** = 1600 A
**20** = 2000 A
**25** = 2500 A
**32** = 3200 A
**40** = 4000 A
**50** = 5000 A (n/a in Aluminium)
**63** = 6300 A (n/a in Aluminium)

**Bar configuration**

3 = 3 bar
4 = 4 bar case PE
5 = 5 bar int PE
5N = 5 bar 200% N
6 = 6 bar

**Plug-in positions**

**F3** = Front face 3 outlets
**F2** = Front face 2 outlets
**F1** = Front face 1 outlet

**Feed units**

**EF** = End feed
**REF** = Reverse feed
**FU** = Flange unit
**RFU** = Reverse flange unit
**AFLHFU** = Angle flat left hand flange unit
**AFRHFU** = Angle flat right hand flange unit
**AFLHRFU** = Angle flat left hand reverse flange unit
**AFRHRFU** = Angle flat right hand reverse flange unit
**AIEFU** = Angle inside edge flange unit
**AOEFU** = Angle outside edge flange unit
**AIERFU** = Angle inside edge reverse flange unit
**AOERFU** = Angle outside edge reverse flange unit

**Angles & zeds**

**AIE** = Angle inside edge
**AOE** = Angle outside edge
**AFLH** = Angle flat left hand
**AFRH** = Angle flat right hand
**AFLHZ** = Angle flat left hand zed
**AFRHZ** = Angle flat right hand zed

**JP** = Joint cartridge (including covers)
**EC** = End cover

## 800 A

XCAF1084



XCAD1084F1



XCA1084FU



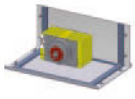
XCA1084AIEFU



XCA2084AFLHZ



XCA084JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1084** | **XCAF1085** |
| Feeder, straight length | 2 m | **XCAF2084** | **XCAF2085** |
| Feeder, straight length | 3 m | **XCAF3084** | **XCAF3085** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1084F1** | **XCAD1085F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2084F1** | **XCAD2085F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2084F2** | **XCAD2085F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3084F1** | **XCAD3085F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3084F2** | **XCAD3085F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3084F3** | **XCAD3085F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XCA1084EF** | **XCA1085EF** |
| End feed unit | 1 m, reverse | **XCA1084REF** | **XCA1085REF** |
| Flange unit | 1 m | **XCA1084FU** | **XCA1085FU** |
| Flange unit | 1 m, reverse | **XCA1084RFU** | **XCA1085RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1084AIEFU** | **XCA1085AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2084AIEFU** | **XCA2085AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1084AIERFU** | **XCA1085AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2084AIERFU** | **XCA2085AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1084AOEFU** | **XCA1085AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2084AOEFU** | **XCA2085AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1084AOERFU** | **XCA1085AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2084AOERFU** | **XCA2085AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1084AFRHFU** | **XCA1085AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2084AFRHFU** | **XCA2085AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1084AFRHRFU** | **XCA1085AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2084AFRHRFU** | **XCA2085AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1084AFLHFU** | **XCA1085AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2084AFLHFU** | **XCA2085AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1084AFLHRFU** | **XCA1085AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2084AFLHRFU** | **XCA2085AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1084AFLH** | **XCA1085AFLH** |
| Angle | 2 m, flat left hand | **XCA2084AFLH** | **XCA2085AFLH** |
| Angle | 1 m, flat right hand | **XCA1084AFRH** | **XCA1085AFRH** |
| Angle | 2 m, flat right hand | **XCA2084AFRH** | **XCA2085AFRH** |
| Angle | 1 m, inside edge | **XCA1084AIE** | **XCA1085AIE** |
| Angle | 2 m, inside edge | **XCA2084AIE** | **XCA2085AIE** |
| Angle | 1 m, outside edge | **XCA1084AOE** | **XCA1085AOE** |
| Angle | 2 m, outside edge | **XCA2084AOE** | **XCA2085AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2084AFLHZ** | **XCA2085AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2084AFRHZ** | **XCA2085AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA084EXTFBKIT** | **XCA085EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA084JP** | **XCA085JP** |

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| XCAF1085N | XCAF1086 |
| XCAF2085N | XCAF2086 |
| XCAF3085N | XCAF3086 |
| XCAD1085NF1 | XCAD1086F1 |
| XCAD2085NF1 | XCAD2086F1 |
| XCAD2085NF2 | XCAD2086F2 |
| XCAD3085NF1 | XCAD3086F1 |
| XCAD3085NF2 | XCAD3086F2 |
| XCAD3085NF3 | XCAD3086F3 |
| XCA1085NEF | XCA1086EF |
| XCA1085NREF | XCA1086REF |
| XCA1085NFU | XCA1086FU |
| XCA1085NRFU | XCA1086RFU |
| XCA1085NAIEFU | XCA1086AIEFU |
| XCA2085NAIEFU | XCA2086AIEFU |
| XCA1085NAIERFU | XCA1086AIERFU |
| XCA2085NAIERFU | XCA2086AIERFU |
| XCA1085NAOEFU | XCA1086AOEFU |
| XCA2085NAOEFU | XCA2086AOEFU |
| XCA1085NAOERFU | XCA1086AOERFU |
| XCA2085NAOERFU | XCA2086AOERFU |
| XCA1085NAFRHFU | XCA1086AFRHFU |
| XCA2085NAFRHFU | XCA2086AFRHFU |
| XCA1085NAFRHRFU | XCA1086AFRHRFU |
| XCA2085NAFRHRFU | XCA2086AFRHRFU |
| XCA1085NAFLHFU | XCA1086AFLHFU |
| XCA2085NAFLHFU | XCA2086AFLHFU |
| XCA1085NAFLHRFU | XCA1086AFLHRFU |
| XCA2085NAFLHRFU | XCA2086AFLHRFU |
| XCA1085NAFLH | XCA1086AFLH |
| XCA2085NAFLH | XCA2086AFLH |
| XCA1085NAFRH | XCA1086AFRH |
| XCA2085NAFRH | XCA2086AFRH |
| XCA1085NAIE | XCA1086AIE |
| XCA2085NAIE | XCA2086AIE |
| XCA1085NAOE | XCA1086AOE |
| XCA2085NAOE | XCA2086AOE |
| XCA2085NAFLHZ | XCA2086AFLHZ |
| XCA2085NAFRHZ | XCA2086AFRHZ |
| XCA085NEXTFBKIT | XCA086EXTFBKIT |
| XCA085NJP | XCA086JP |

XPUFBU

## Accessories

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA08EC** |

# 5.3 Low impedance XP range – aluminium, 1000 A

XP aluminium

## 1000 A

XCAF1104



XCAD1104F1



XCA1104FU



XCA1104AIEFU



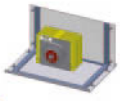
XCA1105AFLH



XCA2105AFLHZ



XCA104JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1104** | **XCAF1105** |
| Feeder, straight length | 2 m | **XCAF2104** | **XCAF2105** |
| Feeder, straight length | 3 m | **XCAF3104** | **XCAF3105** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1104F1** | **XCAD1105F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2104F1** | **XCAD2105F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2104F2** | **XCAD2105F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3104F1** | **XCAD3105F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3104F2** | **XCAD3105F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3104F3** | **XCAD3105F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XCA1104EF** | **XCA1105EF** |
| End feed unit | 1 m, reverse | **XCA1104REF** | **XCA1105REF** |
| Flange unit | 1 m | **XCA1104FU** | **XCA1105FU** |
| Flange unit | 1 m, reverse | **XCA1104RFU** | **XCA1105RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1104AIEFU** | **XCA1105AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2104AIEFU** | **XCA2105AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1104AIERFU** | **XCA1105AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2104AIERFU** | **XCA2105AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1104AOEFU** | **XCA1105AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2104AOEFU** | **XCA2105AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1104AOERFU** | **XCA1105AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2104AOERFU** | **XCA2105AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1104AFRHFU** | **XCA1105AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2104AFRHFU** | **XCA2105AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1104AFRHRFU** | **XCA1105AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2104AFRHRFU** | **XCA2105AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1104AFLHFU** | **XCA1105AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2104AFLHFU** | **XCA2105AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1104AFLHRFU** | **XCA1105AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2104AFLHRFU** | **XCA2105AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1104AFLH** | **XCA1105AFLH** |
| Angle | 2 m, flat left hand | **XCA2104AFLH** | **XCA2105AFLH** |
| Angle | 1 m, flat right hand | **XCA1104AFRH** | **XCA1105AFRH** |
| Angle | 2 m, flat right hand | **XCA2104AFRH** | **XCA2105AFRH** |
| Angle | 1 m, inside edge | **XCA1104AIE** | **XCA1105AIE** |
| Angle | 2 m, inside edge | **XCA2104AIE** | **XCA2105AIE** |
| Angle | 1 m, outside edge | **XCA1104AOE** | **XCA1105AOE** |
| Angle | 2 m, outside edge | **XCA2104AOE** | **XCA2105AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2104AFLHZ** | **XCA2105AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2104AFRHZ** | **XCA2105AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA104EXTFBKIT** | **XCA105EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA104JP** | **XCA105JP** |

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| XCAF1105N | XCAF1106 |
| XCAF2105N | XCAF2106 |
| XCAF3105N | XCAF3106 |
| XCAD1105NF1 | XCAD1106F1 |
| XCAD2105NF1 | XCAD2106F1 |
| XCAD2105NF2 | XCAD2106F2 |
| XCAD3105NF1 | XCAD3106F1 |
| XCAD3105NF2 | XCAD3106F2 |
| XCAD3105NF3 | XCAD3106F3 |
| XCA1105NEF | XCA1106EF |
| XCA1105NREF | XCA1106REF |
| XCA1105NFU | XCA1106FU |
| XCA1105NRFU | XCA1106RFU |
| XCA1105NAIEFU | XCA1106AIEFU |
| XCA2105NAIEFU | XCA2106AIEFU |
| XCA1105NAIERFU | XCA1106AIERFU |
| XCA2105NAIERFU | XCA2106AIERFU |
| XCA1105NAOEFU | XCA1106AOEFU |
| XCA2105NAOEFU | XCA2106AOEFU |
| XCA1105NAOERFU | XCA1106AOERFU |
| XCA2105NAOERFU | XCA2106AOERFU |
| XCA1105NAFRHFU | XCA1106AFRHFU |
| XCA2105NAFRHFU | XCA2106AFRHFU |
| XCA1105NAFRHRFU | XCA1106AFRHRFU |
| XCA2105NAFRHRFU | XCA2106AFRHRFU |
| XCA1105NAFLHFU | XCA1106AFLHFU |
| XCA2105NAFLHFU | XCA2106AFLHFU |
| XCA1105NAFLHRFU | XCA1106AFLHRFU |
| XCA2105NAFLHRFU | XCA2106AFLHRFU |
| XCA1105NAFLH | XCA1106AFLH |
| XCA2105NAFLH | XCA2106AFLH |
| XCA1105NAFRH | XCA1106AFRH |
| XCA2105NAFRH | XCA2106AFRH |
| XCA1105NAIE | XCA1106AIE |
| XCA2105NAIE | XCA2106AIE |
| XCA1105NAOE | XCA1106AOE |
| XCA2105NAOE | XCA2106AOE |
| XCA2105NAFLHZ | XCA2106AFLHZ |
| XCA2105NAFRHZ | XCA2106AFRHZ |
| XCA105NEXTFBKIT | XCA106EXTFBKIT |
| XCA105NJP | XCA106JP |

XPUFBU

## Accessories

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA10EC** |

# 5.3 Low impedance XP range – aluminium, 1250 A

XP aluminium

## 1250 A

XCAF21124



XCAD1124F1



XCA1124FU



XCA1124AFRHFU



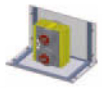
XCA1124AFLH



XCA2124AFLHZ



XCA124JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1124** | **XCAF1125** |
| Feeder, straight length | 2 m | **XCAF2124** | **XCAF2125** |
| Feeder, straight length | 3 m | **XCAF3124** | **XCAF3125** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1124F1** | **XCAD1125F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2124F1** | **XCAD2125F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2124F2** | **XCAD2125F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3124F1** | **XCAD3125F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3124F2** | **XCAD3125F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3124F3** | **XCAD3125F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XCA1124EF** | **XCA1125EF** |
| End feed unit | 1 m, reverse | **XCA1124REF** | **XCA1125REF** |
| Flange unit | 1 m | **XCA1124FU** | **XCA1125FU** |
| Flange unit | 1 m, reverse | **XCA1124RFU** | **XCA1125RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1124AIEFU** | **XCA1125AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2124AIEFU** | **XCA2125AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1124AIERFU** | **XCA1125AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2124AIERFU** | **XCA2125AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1124AOEFU** | **XCA1125AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2124AOEFU** | **XCA2125AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1124AOERFU** | **XCA1125AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2124AOERFU** | **XCA2125AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1124AFRHFU** | **XCA1125AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2124AFRHFU** | **XCA2125AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1124AFRHRFU** | **XCA1125AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2124AFRHRFU** | **XCA2125AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1124AFLHFU** | **XCA1125AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2124AFLHFU** | **XCA2125AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1124AFLHRFU** | **XCA1125AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2124AFLHRFU** | **XCA2125AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1124AFLH** | **XCA1125AFLH** |
| Angle | 2 m, flat left hand | **XCA2124AFLH** | **XCA2125AFLH** |
| Angle | 1 m, flat right hand | **XCA1124AFRH** | **XCA1125AFRH** |
| Angle | 2 m, flat right hand | **XCA2124AFRH** | **XCA2125AFRH** |
| Angle | 1 m, inside edge | **XCA1124AIE** | **XCA1125AIE** |
| Angle | 2 m, inside edge | **XCA2124AIE** | **XCA2125AIE** |
| Angle | 1 m, outside edge | **XCA1124AOE** | **XCA1125AOE** |
| Angle | 2 m, outside edge | **XCA2124AOE** | **XCA2125AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2124AFLHZ** | **XCA2125AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2124AFRHZ** | **XCA2125AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA124EXTFBKIT** | **XCA125EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA124JP** | **XCA125JP** |

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCAF1125N** | **XCAF1126** |
| **XCAF2125N** | **XCAF2126** |
| **XCAF3125N** | **XCAF3126** |
| **XCAD1125NF1** | **XCAD1126F1** |
| **XCAD2125NF1** | **XCAD2126F1** |
| **XCAD2125NF2** | **XCAD2126F2** |
| **XCAD3125NF1** | **XCAD3126F1** |
| **XCAD3125NF2** | **XCAD3126F2** |
| **XCAD3125NF3** | **XCAD3126F3** |
| **XCA1125NEF** | **XCA1126EF** |
| **XCA1125NREF** | **XCA1126REF** |
| **XCA1125NFU** | **XCA1126FU** |
| **XCA1125NRFU** | **XCA1126RFU** |
| **XCA1125NAIEFU** | **XCA1126AIEFU** |
| **XCA2125NAIEFU** | **XCA2126AIEFU** |
| **XCA1125NAIERFU** | **XCA1126AIERFU** |
| **XCA2125NAIERFU** | **XCA2126AIERFU** |
| **XCA1125NAOEFU** | **XCA1126AOEFU** |
| **XCA2125NAOEFU** | **XCA2126AOEFU** |
| **XCA1125NAOERFU** | **XCA1126AOERFU** |
| **XCA2125NAOERFU** | **XCA2126AOERFU** |
| **XCA1125NAFRHFU** | **XCA1126AFRHFU** |
| **XCA2125NAFRHFU** | **XCA2126AFRHFU** |
| **XCA1125NAFRHRFU** | **XCA1126AFRHRFU** |
| **XCA2125NAFRHRFU** | **XCA2126AFRHRFU** |
| **XCA1125NAFLHFU** | **XCA1126AFLHFU** |
| **XCA2125NAFLHFU** | **XCA2126AFLHFU** |
| **XCA1125NAFLHRFU** | **XCA1126AFLHRFU** |
| **XCA2125NAFLHRFU** | **XCA2126AFLHRFU** |
| **XCA1125NAFLH** | **XCA1126AFLH** |
| **XCA2125NAFLH** | **XCA2126AFLH** |
| **XCA1125NAFRH** | **XCA1126AFRH** |
| **XCA2125NAFRH** | **XCA2126AFRH** |
| **XCA1125NAIE** | **XCA1126AIE** |
| **XCA2125NAIE** | **XCA2126AIE** |
| **XCA1125NAOE** | **XCA1126AOE** |
| **XCA2125NAOE** | **XCA2126AOE** |
| **XCA2125NAFLHZ** | **XCA2126AFLHZ** |
| **XCA2125NAFRHZ** | **XCA2126AFRHZ** |
| **XCA125NEXTFBKIT** | **XCA126EXTFBKIT** |
| **XCA125NJP** | **XCA126JP** |

## 1250 A

XCA124TRF1



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 800 kVA, 1250 A | **XCA124TRF1** |
| 4-bar transformer connection type 2 | 800 kVA, 1250 A | **XCA124TRF2** |

PCN1355



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 600 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1355** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA12EC** |

## 1600 A

XCAF2164



XCAD1164F1



XCA1164FU



XCA1164AFRHFU



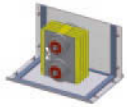
XCA1164AFLH



XCA2164AFLHZ



XCA164JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1164** | **XCAF1165** |
| Feeder, straight length | 2 m | **XCAF2164** | **XCAF2165** |
| Feeder, straight length | 3 m | **XCAF3164** | **XCAF3165** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1164F1** | **XCAD1165F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2164F1** | **XCAD2165F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2164F2** | **XCAD2165F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3164F1** | **XCAD3165F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3164F2** | **XCAD3165F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3164F3** | **XCAD3165F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XCA1164EF** | **XCA1165EF** |
| End feed unit | 1 m, reverse | **XCA1164REF** | **XCA1165REF** |
| Flange unit | 1 m | **XCA1164FU** | **XCA1165FU** |
| Flange unit | 1 m, reverse | **XCA1164RFU** | **XCA1165RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1164AIEFU** | **XCA1165AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2164AIEFU** | **XCA2165AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1164AIERFU** | **XCA1165AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2164AIERFU** | **XCA2165AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1164AOEFU** | **XCA1165AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2164AOEFU** | **XCA2165AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1164AOERFU** | **XCA1165AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2164AOERFU** | **XCA2165AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1164AFRHFU** | **XCA1165AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2164AFRHFU** | **XCA2165AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1164AFRHRFU** | **XCA1165AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2164AFRHRFU** | **XCA2165AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1164AFLHFU** | **XCA1165AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2164AFLHFU** | **XCA2165AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1164AFLHRFU** | **XCA1165AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2164AFLHRFU** | **XCA2165AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1164AFLH** | **XCA1165AFLH** |
| Angle | 2 m, flat left hand | **XCA2164AFLH** | **XCA2165AFLH** |
| Angle | 1 m, flat right hand | **XCA1164AFRH** | **XCA1165AFRH** |
| Angle | 2 m, flat right hand | **XCA2164AFRH** | **XCA2165AFRH** |
| Angle | 1 m, inside edge | **XCA1164AIE** | **XCA1165AIE** |
| Angle | 2 m, inside edge | **XCA2164AIE** | **XCA2165AIE** |
| Angle | 1 m, outside edge | **XCA1164AOE** | **XCA1165AOE** |
| Angle | 2 m, outside edge | **XCA2164AOE** | **XCA2165AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2164AFLHZ** | **XCA2165AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2164AFRHZ** | **XCA2165AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA164EXTFBKIT** | **XCA165EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA164JP** | **XCA165JP** |

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCAF1165N** | **XCAF1166** |
| **XCAF2165N** | **XCAF2166** |
| **XCAF3165N** | **XCAF3166** |
| **XCAD1165NF1** | **XCAD1166F1** |
| **XCAD2165NF1** | **XCAD2166F1** |
| **XCAD2165NF2** | **XCAD2166F2** |
| **XCAD3165NF1** | **XCAD3166F1** |
| **XCAD3165NF2** | **XCAD3166F2** |
| **XCAD3165NF3** | **XCAD3166F3** |
| **XCA1165NEF** | **XCA1166EF** |
| **XCA1165NREF** | **XCA1166REF** |
| **XCA1165NFU** | **XCA1166FU** |
| **XCA1165NRFU** | **XCA1166RFU** |
| **XCA1165NAIEFU** | **XCA1166AIEFU** |
| **XCA2165NAIEFU** | **XCA2166AIEFU** |
| **XCA1165NAIERFU** | **XCA1166AIERFU** |
| **XCA2165NAIERFU** | **XCA2166AIERFU** |
| **XCA1165NAOEFU** | **XCA1166AOEFU** |
| **XCA2165NAOEFU** | **XCA2166AOEFU** |
| **XCA1165NAOERFU** | **XCA1166AOERFU** |
| **XCA2165NAOERFU** | **XCA2166AOERFU** |
| **XCA1165NAFRHFU** | **XCA1166AFRHFU** |
| **XCA2165NAFRHFU** | **XCA2166AFRHFU** |
| **XCA1165NAFRHRFU** | **XCA1166AFRHRFU** |
| **XCA2165NAFRHRFU** | **XCA2166AFRHRFU** |
| **XCA1165NAFLHFU** | **XCA1166AFLHFU** |
| **XCA2165NAFLHFU** | **XCA2166AFLHFU** |
| **XCA1165NAFLHRFU** | **XCA1166AFLHRFU** |
| **XCA2165NAFLHRFU** | **XCA2166AFLHRFU** |
| **XCA1165NAFLH** | **XCA1166AFLH** |
| **XCA2165NAFLH** | **XCA2166AFLH** |
| **XCA1165NAFRH** | **XCA1166AFRH** |
| **XCA2165NAFRH** | **XCA2166AFRH** |
| **XCA1165NAIE** | **XCA1166AIE** |
| **XCA2165NAIE** | **XCA2166AIE** |
| **XCA1165NAOE** | **XCA1166AOE** |
| **XCA2165NAOE** | **XCA2166AOE** |
| **XCA2165NAFLHZ** | **XCA2166AFLHZ** |
| **XCA2165NAFRHZ** | **XCA2166AFRHZ** |
| **XCA165NEXTFBKIT** | **XCA166EXTFBKIT** |
| **XCA165NJP** | **XCA166JP** |

## 1600 A

XCA164TRF2



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 1000 kVA, 1600 A | **XCA164TRF1** |
| 4-bar transformer connection type 2 | 1000 kVA, 1600 A | **XCA164TRF2** |

PCN1355



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 600 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1355** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA16EC** |

## 2000 A

| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1204** | **XCAF1205** |
| Feeder, straight length | 2 m | **XCAF2204** | **XCAF2205** |
| Feeder, straight length | 3 m | **XCAF3204** | **XCAF3205** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1204F1** | **XCAD1205F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2204F1** | **XCAD2205F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2204F2** | **XCAD2205F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3204F1** | **XCAD3205F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3204F2** | **XCAD3205F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3204F3** | **XCAD3205F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XCA1204EF** | **XCA1205EF** |
| End feed unit | 1 m, reverse | **XCA1204REF** | **XCA1205REF** |
| Flange unit | 1 m | **XCA1204FU** | **XCA1205FU** |
| Flange unit | 1 m, reverse | **XCA1204RFU** | **XCA1205RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1204AIEFU** | **XCA1205AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2204AIEFU** | **XCA2205AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1204AIERFU** | **XCA1205AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2204AIERFU** | **XCA2205AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1204AOEFU** | **XCA1205AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2204AOEFU** | **XCA2205AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1204AOERFU** | **XCA1205AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2204AOERFU** | **XCA2205AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1204AFRHFU** | **XCA1205AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2204AFRHFU** | **XCA2205AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1204AFRHRFU** | **XCA1205AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2204AFRHRFU** | **XCA2205AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1204AFLHFU** | **XCA1205AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2204AFLHFU** | **XCA2205AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1204AFLHRFU** | **XCA1205AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2204AFLHRFU** | **XCA2205AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1204AFLH** | **XCA1205AFLH** |
| Angle | 2 m, flat left hand | **XCA2204AFLH** | **XCA2205AFLH** |
| Angle | 1 m, flat right hand | **XCA1204AFRH** | **XCA1205AFRH** |
| Angle | 2 m, flat right hand | **XCA2204AFRH** | **XCA2205AFRH** |
| Angle | 1 m, inside edge | **XCA1204AIE** | **XCA1205AIE** |
| Angle | 2 m, inside edge | **XCA2204AIE** | **XCA2205AIE** |
| Angle | 1 m, outside edge | **XCA1204AOE** | **XCA1205AOE** |
| Angle | 2 m, outside edge | **XCA2204AOE** | **XCA2205AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2204AFLHZ** | **XCA2205AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2204AFRHZ** | **XCA2205AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA204EXTFBKIT** | **XCA205EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA204JP** | **XCA205JP** |

XCAF2204



XCAD2204F2



XCA1204FU



XCA1204AFLHFU



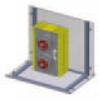
XCA120AFLH



XCA2204AFLHZ



XCA204JP



| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCAF1205N** | **XCAF1206** |
| **XCAF2205N** | **XCAF2206** |
| **XCAF3205N** | **XCAF3206** |
| **XCAD1205NF1** | **XCAD1206F1** |
| **XCAD2205NF1** | **XCAD2206F1** |
| **XCAD2205NF2** | **XCAD2206F2** |
| **XCAD3205NF1** | **XCAD3206F1** |
| **XCAD3205NF2** | **XCAD3206F2** |
| **XCAD3205NF3** | **XCAD3206F3** |
| **XCA1205NEF** | **XCA1206EF** |
| **XCA1205NREF** | **XCA1206REF** |
| **XCA1205NFU** | **XCA1206FU** |
| **XCA1205NRFU** | **XCA1206RFU** |
| **XCA1205NAIEFU** | **XCA1206AIEFU** |
| **XCA2205NAIEFU** | **XCA2206AIEFU** |
| **XCA1205NAIERFU** | **XCA1206AIERFU** |
| **XCA2205NAIERFU** | **XCA2206AIERFU** |
| **XCA1205NAOEFU** | **XCA1206AOEFU** |
| **XCA2205NAOEFU** | **XCA2206AOEFU** |
| **XCA1205NAOERFU** | **XCA1206AOERFU** |
| **XCA2205NAOERFU** | **XCA2206AOERFU** |
| **XCA1205NAFRHFU** | **XCA1206AFRHFU** |
| **XCA2205NAFRHFU** | **XCA2206AFRHFU** |
| **XCA1205NAFRHRFU** | **XCA1206AFRHRFU** |
| **XCA2205NAFRHRFU** | **XCA2206AFRHRFU** |
| **XCA1205NAFLHFU** | **XCA1206AFLHFU** |
| **XCA2205NAFLHFU** | **XCA2206AFLHFU** |
| **XCA1205NAFLHRFU** | **XCA1206AFLHRFU** |
| **XCA2205NAFLHRFU** | **XCA2206AFLHRFU** |
| **XCA1205NAFLH** | **XCA1206AFLH** |
| **XCA2205NAFLH** | **XCA2206AFLH** |
| **XCA1205NAFRH** | **XCA1206AFRH** |
| **XCA2205NAFRH** | **XCA2206AFRH** |
| **XCA1205NAIE** | **XCA1206AIE** |
| **XCA2205NAIE** | **XCA2206AIE** |
| **XCA1205NAOE** | **XCA1206AOE** |
| **XCA2205NAOE** | **XCA2206AOE** |
| **XCA2205NAFLHZ** | **XCA2206AFLHZ** |
| **XCA2205NAFRHZ** | **XCA2206AFRHZ** |
| **XCA205NEXTFBKIT** | **XCA206EXTFBKIT** |
| **XCA205NJP** | **XCA206JP** |

## 2000 A

XCA204TRF2



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 1250 kVA, 2000 A | **XCA204TRF1** |
| 4-bar transformer connection type 2 | 1250 kVA, 2000 A | **XCA204TRF2** |

PCN1356



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 800 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1356** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA20EC** |

## 2500 A

XCAF2254



XCAD2254F2



XCA1254FU



XCA1254AFRHFU



XCA1254AFLH



XCA2254AFLHZ



XCA254JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1254** | **XCAF1255** |
| Feeder, straight length | 2 m | **XCAF2254** | **XCAF2255** |
| Feeder, straight length | 3 m | **XCAF3254** | **XCAF3255** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1254F1** | **XCAD1255F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2254F1** | **XCAD2255F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2254F2** | **XCAD2255F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3254F1** | **XCAD3255F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3254F2** | **XCAD3255F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3254F3** | **XCAD3255F3** |
| **Feeders and flange units** | | | |
| End feed unit | Made to order | Made to order | Made to order |
| End feed unit | Made to order | Made to order | Made to order |
| Flange unit | 1 m | **XCA1254FU** | **XCA1255FU** |
| Flange unit | 1 m, reverse | **XCA1254RFU** | **XCA1255RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1254AIEFU** | **XCA1255AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2254AIEFU** | **XCA2255AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1254AIERFU** | **XCA1255AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2254AIERFU** | **XCA2255AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1254AOEFU** | **XCA1255AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2254AOEFU** | **XCA2255AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1254AOERFU** | **XCA1255AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2254AOERFU** | **XCA2255AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1254AFRHFU** | **XCA1255AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2254AFRHFU** | **XCA2255AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1254AFRHRFU** | **XCA1255AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2254AFRHRFU** | **XCA2255AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1254AFLHFU** | **XCA1255AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2254AFLHFU** | **XCA2255AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1254AFLHRFU** | **XCA1255AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2254AFLHRFU** | **XCA2255AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1254AFLH** | **XCA1255AFLH** |
| Angle | 2 m, flat left hand | **XCA2254AFLH** | **XCA2255AFLH** |
| Angle | 1 m, flat right hand | **XCA1254AFRH** | **XCA1255AFRH** |
| Angle | 2 m, flat right hand | **XCA2254AFRH** | **XCA2255AFRH** |
| Angle | 1 m, inside edge | **XCA1254AIE** | **XCA1255AIE** |
| Angle | 2 m, inside edge | **XCA2254AIE** | **XCA2255AIE** |
| Angle | 1 m, outside edge | **XCA1254AOE** | **XCA1255AOE** |
| Angle | 2 m, outside edge | **XCA2254AOE** | **XCA2255AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2254AFLHZ** | **XCA2255AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2254AFRHZ** | **XCA2255AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA254EXTFBKIT** | **XCA255EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA254JP** | **XCA255JP** |

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| | |
| **XCAF1255N** | **XCAF1256** |
| **XCAF2255N** | **XCAF2256** |
| **XCAF3255N** | **XCAF3256** |
| **XCAD1255NF1** | **XCAD1256F1** |
| **XCAD2255NF1** | **XCAD2256F1** |
| **XCAD2255NF2** | **XCAD2256F2** |
| **XCAD3255NF1** | **XCAD3256F1** |
| **XCAD3255NF2** | **XCAD3256F2** |
| **XCAD3255NF3** | **XCAD3256F3** |
| | |
| Made to order | Made to order |
| Made to order | Made to order |
| **XCA1255NFU** | **XCA1256FU** |
| **XCA1255NRFU** | **XCA1256RFU** |
| **XCA1255NAIEFU** | **XCA1256AIEFU** |
| **XCA2255NAIEFU** | **XCA2256AIEFU** |
| **XCA1255NAIERFU** | **XCA1256AIERFU** |
| **XCA2255NAIERFU** | **XCA2256AIERFU** |
| **XCA1255NAOEFU** | **XCA1256AOEFU** |
| **XCA2255NAOEFU** | **XCA2256AOEFU** |
| **XCA1255NAOERFU** | **XCA1256AOERFU** |
| **XCA2255NAOERFU** | **XCA2256AOERFU** |
| **XCA1255NAFRHFU** | **XCA1256AFRHFU** |
| **XCA2255NAFRHFU** | **XCA2256AFRHFU** |
| **XCA1255NAFRHRFU** | **XCA1256AFRHRFU** |
| **XCA2255NAFRHRFU** | **XCA2256AFRHRFU** |
| **XCA1255NAFLHFU** | **XCA1256AFLHFU** |
| **XCA2255NAFLHFU** | **XCA2256AFLHFU** |
| **XCA1255NAFLHRFU** | **XCA1256AFLHRFU** |
| **XCA2255NAFLHRFU** | **XCA2256AFLHRFU** |
| | |
| **XCA1255NAFLH** | **XCA1256AFLH** |
| **XCA2255NAFLH** | **XCA2256AFLH** |
| **XCA1255NAFRH** | **XCA1256AFRH** |
| **XCA2255NAFRH** | **XCA2256AFRH** |
| **XCA1255NAIE** | **XCA1256AIE** |
| **XCA2255NAIE** | **XCA2256AIE** |
| **XCA1255NAOE** | **XCA1256AOE** |
| **XCA2255NAOE** | **XCA2256AOE** |
| | |
| **XCA2255NAFLHZ** | **XCA2256AFLHZ** |
| **XCA2255NAFRHZ** | **XCA2256AFRHZ** |
| | |
| **XCA255NEXTFBKIT** | **XCA256EXTFBKIT** |
| | |
| **XCA255NJP** | **XCA256JP** |

## 2500 A

XCA254TRF1



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 1600 kVA, 2500 A | **XCA254TRF1** |
| 4-bar transformer connection type 2 | 1600 kVA, 2500 A | **XCA254TRF2** |

PCN1356



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 800 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1356** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA25EC** |

## 3200 A

XCAF2324



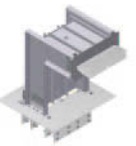
XCAD3324F3



XCA1324FU



XCA1324AFRHFU



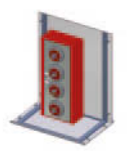
XCA1324AFLH



XCA2324AFLHZ



XCA324JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1324** | **XCAF1325** |
| Feeder, straight length | 2 m | **XCAF2324** | **XCAF2325** |
| Feeder, straight length | 3 m | **XCAF3324** | **XCAF3325** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1324F1** | **XCAD1325F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2324F1** | **XCAD2325F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2324F2** | **XCAD2325F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3324F1** | **XCAD3325F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3324F2** | **XCAD3325F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3324F3** | **XCAD3325F3** |
| **Feeders and flange units** | | | |
| Flange unit | 1 m | **XCA1324FU** | **XCA1325FU** |
| Flange unit | 1 m, reverse | **XCA1324RFU** | **XCA1325RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1324AIEFU** | **XCA1325AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2324AIEFU** | **XCA2325AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1324AIERFU** | **XCA1325AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2324AIERFU** | **XCA2325AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1324AOEFU** | **XCA1325AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2324AOEFU** | **XCA2325AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1324AOERFU** | **XCA1325AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2324AOERFU** | **XCA2325AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1324AFRHFU** | **XCA1325AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2324AFRHFU** | **XCA2325AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1324AFRHRFU** | **XCA1325AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2324AFRHRFU** | **XCA2325AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1324AFLHFU** | **XCA1325AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2324AFLHFU** | **XCA2325AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1324AFLHRFU** | **XCA1325AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2324AFLHRFU** | **XCA2325AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1324AFLH** | **XCA1325AFLH** |
| Angle | 2 m, flat left hand | **XCA2324AFLH** | **XCA2325AFLH** |
| Angle | 1 m, flat right hand | **XCA1324AFRH** | **XCA1325AFRH** |
| Angle | 2 m, flat right hand | **XCA2324AFRH** | **XCA2325AFRH** |
| Angle | 1 m, inside edge | **XCA1324AIE** | **XCA1325AIE** |
| Angle | 2 m, inside edge | **XCA2324AIE** | **XCA2325AIE** |
| Angle | 1 m, outside edge | **XCA1324AOE** | **XCA1325AOE** |
| Angle | 2 m, outside edge | **XCA2324AOE** | **XCA2325AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2324AFLHZ** | **XCA2325AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2324AFRHZ** | **XCA2325AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA324EXTFBKIT** | **XCA325EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA324JP** | **XCA325JP** |

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCAF1325N** | **XCAF1326** |
| **XCAF2325N** | **XCAF2326** |
| **XCAF3325N** | **XCAF3326** |
| **XCAD1325NF1** | **XCAD1326F1** |
| **XCAD2325NF1** | **XCAD2326F1** |
| **XCAD2325NF2** | **XCAD2326F2** |
| **XCAD3325NF1** | **XCAD3326F1** |
| **XCAD3325NF2** | **XCAD3326F2** |
| **XCAD3325NF3** | **XCAD3326F3** |
| **XCA1325NFU** | **XCA1326FU** |
| **XCA1325NRFU** | **XCA1326RFU** |
| **XCA1325NAIEFU** | **XCA1326AIEFU** |
| **XCA2325NAIEFU** | **XCA2326AIEFU** |
| **XCA1325NAIERFU** | **XCA1326AIERFU** |
| **XCA2325NAIERFU** | **XCA2326AIERFU** |
| **XCA1325NAOEFU** | **XCA1326AOEFU** |
| **XCA2325NAOEFU** | **XCA2326AOEFU** |
| **XCA1325NAOERFU** | **XCA1326AOERFU** |
| **XCA2325NAOERFU** | **XCA2326AOERFU** |
| **XCA1325NAFRHFU** | **XCA1326AFRHFU** |
| **XCA2325NAFRHFU** | **XCA2326AFRHFU** |
| **XCA1325NAFRHRFU** | **XCA1326AFRHRFU** |
| **XCA2325NAFRHRFU** | **XCA2326AFRHRFU** |
| **XCA1325NAFLHFU** | **XCA1326AFLHFU** |
| **XCA2325NAFLHFU** | **XCA2326AFLHFU** |
| **XCA1325NAFLHRFU** | **XCA1326AFLHRFU** |
| **XCA2325NAFLHRFU** | **XCA2326AFLHRFU** |
| **XCA1325NAFLH** | **XCA1326AFLH** |
| **XCA2325NAFLH** | **XCA2326AFLH** |
| **XCA1325NAFRH** | **XCA1326AFRH** |
| **XCA2325NAFRH** | **XCA2326AFRH** |
| **XCA1325NAIE** | **XCA1326AIE** |
| **XCA2325NAIE** | **XCA2326AIE** |
| **XCA1325NAOE** | **XCA1326AOE** |
| **XCA2325NAOE** | **XCA2326AOE** |
| **XCA2325NAFLHZ** | **XCA2326AFLHZ** |
| **XCA2325NAFRHZ** | **XCA2326AFRHZ** |
| **XCA325NEXTFBKIT** | **XCA326EXTFBKIT** |
| **XCA325NJP** | **XCA326JP** |

## 3200 A

XCA324TRF2



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 2000 kVA, 3200 A | **XCA324TRF1** |
| 4-bar transformer connection type 2 | 2000 kVA, 3200 A | **XCA324TRF2** |

PCN1355



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 600 mm² 500 mm long copper braids c/w Tin plated connection plates | 2 per phase | **PCN1355** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA32EC** |

## 4000 A

XCAF2404



XCAD1404F1



XCA1404FU



XCAD1404AFLHFU



XCA1404AFRH



XCA2404AFLHZ



XCA404JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCAF1404** | **XCAF1405** |
| Feeder, straight length | 2 m | **XCAF2404** | **XCAF2405** |
| Feeder, straight length | 3 m | **XCAF3404** | **XCAF3405** |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCAD1404F1** | **XCAD1405F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCAD2404F1** | **XCAD2405F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCAD2404F2** | **XCAD2405F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCAD3404F1** | **XCAD3405F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCAD3404F2** | **XCAD3405F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCAD3404F3** | **XCAD3405F3** |
| **Feeders and flange units** | | | |
| Flange unit | 1 m | **XCA1404FU** | **XCA1405FU** |
| Flange unit | 1 m, reverse | **XCA1404RFU** | **XCA1405RFU** |
| Flange unit | 1 m, angle inside edge | **XCA1404AIEFU** | **XCA1405AIEFU** |
| Flange unit | 2 m, angle inside edge | **XCA2404AIEFU** | **XCA2405AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XCA1404AIERFU** | **XCA1405AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XCA2404AIERFU** | **XCA2405AIERFU** |
| Flange unit | 1 m, angle outside edge | **XCA1404AOEFU** | **XCA1405AOEFU** |
| Flange unit | 2 m, angle outside edge | **XCA2404AOEFU** | **XCA2405AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XCA1404AOERFU** | **XCA1405AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XCA2404AOERFU** | **XCA2405AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XCA1404AFRHFU** | **XCA1405AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XCA2404AFRHFU** | **XCA2405AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XCA1404AFRHRFU** | **XCA1405AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XCA2404AFRHRFU** | **XCA2405AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XCA1404AFLHFU** | **XCA1405AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XCA2404AFLHFU** | **XCA2405AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XCA1404AFLHRFU** | **XCA1405AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XCA2404AFLHRFU** | **XCA2405AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XCA1404AFLH** | **XCA1405AFLH** |
| Angle | 2 m, flat left hand | **XCA2404AFLH** | **XCA2405AFLH** |
| Angle | 1 m, flat right hand | **XCA1404AFRH** | **XCA1405AFRH** |
| Angle | 2 m, flat right hand | **XCA2404AFRH** | **XCA2405AFRH** |
| Angle | 1 m, inside edge | **XCA1404AIE** | **XCA1405AIE** |
| Angle | 2 m, inside edge | **XCA2404AIE** | **XCA2405AIE** |
| Angle | 1 m, outside edge | **XCA1404AOE** | **XCA1405AOE** |
| Angle | 2 m, outside edge | **XCA2404AOE** | **XCA2405AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XCA2404AFLHZ** | **XCA2405AFLHZ** |
| Angle | Flat right hand 'Z' | **XCA2404AFRHZ** | **XCA2405AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XCA404EXTFBKIT** | **XCA405EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XCA404JP** | **XCA405JP** |

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCAF1405N** | **XCAF1406** |
| **XCAF2405N** | **XCAF2406** |
| **XCAF3405N** | **XCAF3406** |
| **XCAD1405NF1** | **XCAD1406F1** |
| **XCAD2405NF1** | **XCAD2406F1** |
| **XCAD2405NF2** | **XCAD2406F2** |
| **XCAD3405NF1** | **XCAD3406F1** |
| **XCAD3405NF2** | **XCAD3406F2** |
| **XCAD3405NF3** | **XCAD3406F3** |
| **XCA1405NFU** | **XCA1406FU** |
| **XCA1405NRFU** | **XCA1406RFU** |
| **XCA1405NAIEFU** | **XCA1406AIEFU** |
| **XCA2405NAIEFU** | **XCA2406AIEFU** |
| **XCA1405NAIERFU** | **XCA1406AIERFU** |
| **XCA2405NAIERFU** | **XCA2406AIERFU** |
| **XCA1405NAOEFU** | **XCA1406AOEFU** |
| **XCA2405NAOEFU** | **XCA2406AOEFU** |
| **XCA1405NAOERFU** | **XCA1406AOERFU** |
| **XCA2405NAOERFU** | **XCA2406AOERFU** |
| **XCA1405NAFRHFU** | **XCA1406AFRHFU** |
| **XCA2405NAFRHFU** | **XCA2406AFRHFU** |
| **XCA1405NAFRHRFU** | **XCA1406AFRHRFU** |
| **XCA2405NAFRHRFU** | **XCA2406AFRHRFU** |
| **XCA1405NAFLHFU** | **XCA1406AFLHFU** |
| **XCA2405NAFLHFU** | **XCA2406AFLHFU** |
| **XCA1405NAFLHRFU** | **XCA1406AFLHRFU** |
| **XCA2405NAFLHRFU** | **XCA2406AFLHRFU** |
| **XCA1405NAFLH** | **XCA1406AFLH** |
| **XCA2405NAFLH** | **XCA2406AFLH** |
| **XCA1405NAFRH** | **XCA1406AFRH** |
| **XCA2405NAFRH** | **XCA2406AFRH** |
| **XCA1405NAIE** | **XCA1406AIE** |
| **XCA2405NAIE** | **XCA2406AIE** |
| **XCA1405NAOE** | **XCA1406AOE** |
| **XCA2405NAOE** | **XCA2406AOE** |
| **XCA2405NAFLHZ** | **XCA2406AFLHZ** |
| **XCA2405NAFRHZ** | **XCA2406AFRHZ** |
| **XCA405NEXTFBKIT** | **XCA406EXTFBKIT** |
| **XCA405NJP** | **XCA406JP** |

## 4000 A

XCA404TRF1



PCN1356



XPUFBU

| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 2500 kVA, 4000 A | **XCA404TRF1** |
| 4-bar transformer connection type 2 | 2500 kVA, 4000 A | **XCA404TRF2** |

| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 800 mm² 500 mm long copper braids c/w Tin plated connection plates | 2 per phase | **PCN1356** |

### Accessories

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XCA40EC** |

XTC332MB



## Tap-off with TP MCCB c/w rotary drive

- In steel enclosure
- Outgoing device – MCCB
- For dimensions of the tap-off types see page 120

| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with TP MCCB | 3 | TPN | 1 | 32 A | **XTC332MB** | **XTC3325MB** | **XTC332MB** | **XTC3325MB** |
| | | | | 63 A | **XTC363MB** | **XTC3635MB** | **XTC363MB** | **XTC3635MB** |
| | | | | 100 A | **XTC3100MB** | **XTC31005MB** | **XTC3100MB** | **XTC31005MB** |
| | | | | 125 A | **XTC3125MB** | **XTC31255MB** | **XTC3125MB** | **XTC31255MB** |
| | | | | 160 A | **XTC3160MB** | **XTC31605MB** | **XTC3160MB** | **XTC31605MB** |
| | 3 | TPN | 2 | 200 A | **XTC3200MB** | **XTC32005MB** | **XTC3200MB** | **XTC32005MB** |
| | | | | 250 A | **XTC3250MB** | **XTC32505MB** | **XTC3250MB** | **XTC32505MB** |
| | 3 | TPN | 3 | 320 A | **XTC3320MB** | **XTC33205MB** | **XTC3320MB** | **XTC33205MB** |
| | | | | 400 A | **XTC3400MB** | **XTC34005MB** | **XTC3400MB** | **XTC34005MB** |
| | | | | 630 A | **XTC3630MB** | **XTC36305MB** | **XTC3630MB** | **XTC36305MB** |
| Empty tap-off | 3 | TPN | 1 | 160 A | **XTC1** | **XTC1** | **XTC1** | **XTC1** |
| | | | 2 | 250 A | **XTC2** | **XTC2** | **XTC2** | **XTC2** |
| | | | 3 | 630 A | **XTC3** | **XTC3** | **XTC3** | **XTC3** |

XTC432MB



## Tap-off with 4P MCCB c/w rotary drive

- In steel enclosure
- Outgoing device – MCCB
- For dimensions of the tap-off types see page 120

| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with 4P MCCB | 3 | 4P | 1 | 32 A | **XTC432MB** | **XTC4325MB** | **XTC432MB** | **XTC4325MB** |
| | | | | 63 A | **XTC463MB** | **XTC4635MB** | **XTC463MB** | **XTC4635MB** |
| | | | | 100 A | **XTC4100MB** | **XTC41005MB** | **XTC4100MB** | **XTC41005MB** |
| | | | | 125 A | **XTC4125MB** | **XTC41255MB** | **XTC4125MB** | **XTC41255MB** |
| | | | | 160 A | **XTC4160MB** | **XTC41605MB** | **XTC4160MB** | **XTC41605MB** |
| | 3 | 4P | 2 | 200 A | **XTC4200MB** | **XTC42005MB** | **XTC4200MB** | **XTC42005MB** |
| | | | | 250 A | **XTC4250MB** | **XTC42505MB** | **XTC4250MB** | **XTC42505MB** |
| | 3 | 4P | 3 | 320 A | **XTC4320MB** | **XTC43205MB** | **XTC4320MB** | **XTC43205MB** |
| | | | | 400 A | **XTC4400MB** | **XTC44005MB** | **XTC4400MB** | **XTC44005MB** |
| | | | | 630 A | **XTC4630MB** | **XTC46305MB** | **XTC4630MB** | **XTC46305MB** |
| Empty tap-off | 3 | 4P | 1 | 160 A | **XTC1** | **XTC1** | **XTC1** | **XTC1** |
| | | | 2 | 250 A | **XTC2** | **XTC2** | **XTC2** | **XTC2** |
| | | | 3 | 630 A | **XTC3** | **XTC3** | **XTC3** | **XTC3** |

XTC3400BFS



## Tap-off with fused combination switch BS88 (HRC fuses incl)

- In steel enclosure
- Outgoing device – BS88 fuse
- For dimensions of the tap-off types see page 120

| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with | 3 | TPN | 2 | 32 A | **XTC332BFS** | **XTC3325BFS** | **XTC332BFS** | **XTC3325BFS** |
| TPN fused switch | | | | 63 A | **XTC363BFS** | **XTC3635BFS** | **XTC363BFS** | **XTC3635BFS** |
| | | | | 100 A | **XTC3100BFS** | **XTC31005BFS** | **XTC3100BFS** | **XTC31005BFS** |
| | | | | 125 A | **XTC3125BFS** | **XTC31255BFS** | **XTC3125BFS** | **XTC31255BFS** |
| | | | | 160 A | **XTC3160BFS** | **XTC31605BFS** | **XTC3160BFS** | **XTC31605BFS** |
| | | | 4 | 200 A | **XTC3200BFS** | **XTC32005BFS** | **XTC3200BFS** | **XTC32005BFS** |
| | | | | 250 A | **XTC3250BFS** | **XTC32505BFS** | **XTC3250BFS** | **XTC32505BFS** |
| | | | | 315 A | **XTC3315BFS** | **XTC33155BFS** | **XTC3315BFS** | **XTC33155BFS** |
| | | | | 400 A | **XTC3400BFS** | **XTC34005BFS** | **XTC3400BFS** | **XTC34005BFS** |
| | | | | 630 A | **XTC3630BFS** | **XTC36305BFS** | **XTC3630BFS** | **XTC36305BFS** |

XTC4320NSW



## Tap-off with fused combination switch Din NH (HRC fuses incl)

- In steel enclosure
- Outgoing device – NH fuse
- For dimensions of the tap-off types see page 120

| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with | 3 | TPSN | 2 | 32 A | **XTC432NSW** | **XTC4325NSW** | **XTC432NSW** | **XTC4325NSW** |
| TPN fused switch | | | | 63 A | **XTC463NSW** | **XTC4635NSW** | **XTC463NSW** | **XTC4635NSW** |
| | | | | 100 A | **XTC4100NSW** | **XTC41005NSW** | **XTC4100NSW** | **XTC41005NSW** |
| | | | | 125 A | **XTC4125NSW** | **XTC41255NSW** | **XTC4125NSW** | **XTC41255NSW** |
| | | | | 160 A | **XTC4160NSW** | **XTC41605NSW** | **XTC4160NSW** | **XTC41605NSW** |
| | | | 4 | 200 A | **XTC4200NSW** | **XTC42005NSW** | **XTC4200NSW** | **XTC42005NSW** |
| | | | | 250 A | **XTC4250NSW** | **XTC42505NSW** | **XTC4250NSW** | **XTC42505NSW** |
| | | | | 315 A | **XTC4320NSW** | **XTC43205NSW** | **XTC4320NSW** | **XTC43205NSW** |
| | | | | 400 A | **XTC4400NSW** | **XTC44005NSW** | **XTC4400NSW** | **XTC44005NSW** |
| | | | | 630 A | **XTC4630NSW** | **XTC46305NSW** | **XTC4630NSW** | **XTC46305NSW** |

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6.2 Explanation of Eaton list number ..... 77
6.3 XP Copper ..... 78
6.4 XP tap-off units ..... 98

# Low impedance XP range – copper, 800 A

## XP overview

Complementing the internationally established Power Xpert® Busbar trunking range, the XP system brings the design of low impedance, sandwich construction busbar trunking to a new, superior level. Eaton's Power Xpert® Busbar XP trunking system is available in ratings from 800 to 6300 A.

Power Xpert® Busbar XP trunking utilises aluminium-extruded housing bringing significant weight saving advantages whilst ensuring that strength and rigidity is enhanced.

These user-friendly features combine to maximise performance standards and greatly reduce installation times.

See page 114 for technical details.

See page 115 for dimensional drawings.

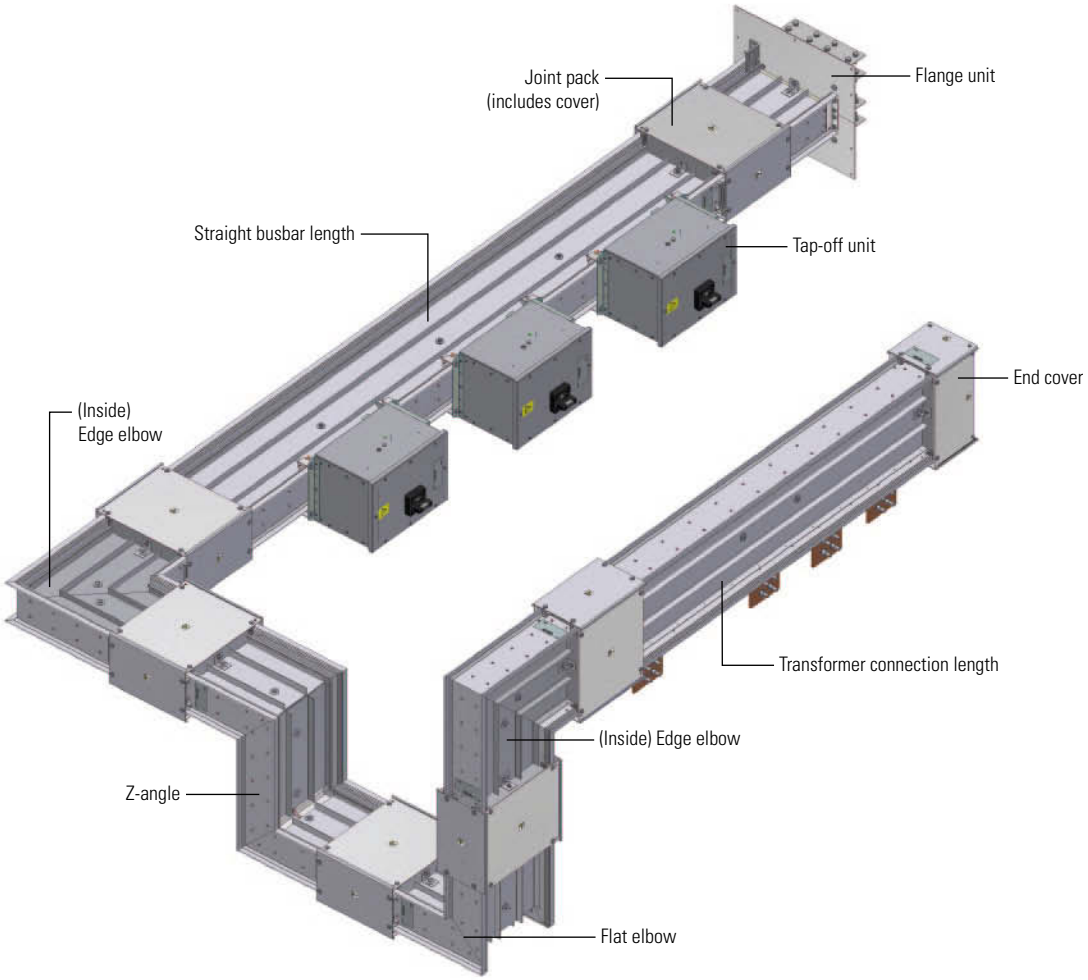
### XP Aluminium range

The XP Aluminium range is tested according to IEC 61439-6, EN 61439-6 and BSEN 61439-6.

### XP Copper range

The XP Copper range is tested according to IEC 61439-6, EN 61439-6 and BSEN 61439-6.

**Power Xpert® XP construction overview**



## Explanation of Eaton list number

**XC D 3 10 4 T F3**

**Range of busbar**

**XC** = Low impedance

**Type of unit**

None Alpha = Straight length

**F** = Feeder
**D** = Distribution

**Length of bar**

**1** = 1 m
**2** = 2 m
**3** = 3 m

**Current rating**

**08** = 800 A
**10** = 1000 A
**12** = 1250 A
**16** = 1600 A
**20** = 2000 A
**25** = 2500 A
**32** = 3200 A
**40** = 4000 A
**50** = 5000 A
**63** = 6300 A

**Bar configuration**

3 = 3 bar
4 = 4 bar case PE
5 = 5 bar int PE
5N = 5 bar 200% N
6 = 6 bar

**Plug-in positions**

**F3** = Front face 3 outlets
**F2** = Front face 2 outlets
**F1** = Front face 1 outlet

**Feed units**

**EF** = End feed
**REF** = Reverse feed
**FU** = Flange unit
**RFU** = Reverse flange unit
**AFLHFU** = Angle flat left hand flange unit
**AFRHFU** = Angle flat right hand flange unit
**AFLHRFU** = Angle flat left hand reverse flange unit
**AFRHRFU** = Angle flat right hand reverse flange unit
**AIEFU** = Angle inside edge flange unit
**AOEFU** = Angle outside edge flange unit
**AIERFU** = Angle inside edge reverse flange unit
**AOERFU** = Angle outside edge reverse flange unit

**Angles & zeds**

**AIE** = Angle inside edge
**AOE** = Angle outside edge
**AFLH** = Angle flat left hand
**AFRH** = Angle flat right hand
**AFLHZ** = Angle flat left hand zed
**AFRHZ** = Angle flat right hand zed

**JP** = Joint cartridge (including covers)
**EC** = End cover

**Plated: Copper bar (only)**

**T** = Tin plated

Leave blank for un-tinned

## 800 A

| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1084**[1] | **XCF1085**[1] |
| Feeder, straight length | 2 m | **XCF2084**[1] | **XCF2085**[1] |
| Feeder, straight length | 3 m | **XCF3084**[1] | **XCF3085**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1084**[1]**F1** | **XCD1085**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2084**[1]**F1** | **XCD2085**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2084**[1]**F2** | **XCD2085**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3084**[1]**F1** | **XCD3085**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3084**[1]**F2** | **XCD3085**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3084**[1]**F3** | **XCD3085**[1]**F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XC1084**[1]**EF** | **XC1085**[1]**EF** |
| End feed unit | 1 m, reverse | **XC1084**[1]**REF** | **XC1085**[1]**REF** |
| Flange unit | 1 m | **XC1084**[1]**FU** | **XC1085**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1084**[1]**RFU** | **XC1085**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1084**[1]**AIEFU** | **XC1085**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2084**[1]**AIEFU** | **XC2085**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1084**[1]**AIERFU** | **XC1085**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2084**[1]**AIERFU** | **XC2085**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1084**[1]**AOEFU** | **XC1085**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2084**[1]**AOEFU** | **XC2085**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1084**[1]**AOERFU** | **XC1085**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2084**[1]**AOERFU** | **XC2085**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1084**[1]**AFRHFU** | **XC1085**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2084**[1]**AFRHFU** | **XC2085**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1084**[1]**AFRHRFU** | **XC1085**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2084**[1]**AFRHRFU** | **XC2085**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1084**[1]**AFLHFU** | **XC1085**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2084**[1]**AFLHFU** | **XC2085**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1084**[1]**AFLHRFU** | **XC1085**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2084**[1]**AFLHRFU** | **XC2085**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1084**[1]**AFLH** | **XC1085**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2084**[1]**AFLH** | **XC2085**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1084**[1]**AFRH** | **XC1085**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2084**[1]**AFRH** | **XC2085**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1084**[1]**AIE** | **XC1085**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2084**[1]**AIE** | **XC2085**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1084**[1]**AOE** | **XC1085**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2084**[1]**AOE** | **XC2085**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2084**[1]**AFLHZ** | **XC2085**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2084**[1]**AFRHZ** | **XC2085**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC084EXTFBKIT** | **XC085EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC084**[1]**JP** | **XC085**[1]**JP** |

XCF1084



XCD2084F2



XC1084FU



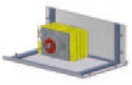
XC1084AFLH



XC2084AFLHZ



XC084JP



[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1085N**[1)] | **XCF1086**[1)] |
| **XCF2085N**[1)] | **XCF2086**[1)] |
| **XCF3085N**[1)] | **XCF3086**[1)] |
| **XCD1085N**[1)]**F1** | **XCD1086**[1)]**F1** |
| **XCD2085N**[1)]**F1** | **XCD2086**[1)]**F1** |
| **XCD2085N**[1)]**F2** | **XCD2086**[1)]**F2** |
| **XCD3085N**[1)]**F1** | **XCD3086**[1)]**F1** |
| **XCD3085N**[1)]**F2** | **XCD3086**[1)]**F2** |
| **XCD3085N**[1)]**F3** | **XCD3086**[1)]**F3** |
| **XC1085N**[1)]**EF** | **XC1086**[1)]**EF** |
| **XC1085N**[1)]**REF** | **XC1086**[1)]**REF** |
| **XC1085N**[1)]**FU** | **XC1086**[1)]**FU** |
| **XC1085N**[1)]**RFU** | **XC1086**[1)]**RFU** |
| **XC1085N**[1)]**AIEFU** | **XC1086**[1)]**AIEFU** |
| **XC2085N**[1)]**AIEFU** | **XC2086**[1)]**AIEFU** |
| **XC1085N**[1)]**AIERFU** | **XC1086**[1)]**AIERFU** |
| **XC2085N**[1)]**AIERFU** | **XC2086**[1)]**AIERFU** |
| **XC1085N**[1)]**AOEFU** | **XC1086**[1)]**AOEFU** |
| **XC2085N**[1)]**AOEFU** | **XC2086**[1)]**AOEFU** |
| **XC1085N**[1)]**AOERFU** | **XC1086**[1)]**AOERFU** |
| **XC2085N**[1)]**AOERFU** | **XC2086**[1)]**AOERFU** |
| **XC1085N**[1)]**AFRHFU** | **XC1086**[1)]**AFRHFU** |
| **XC2085N**[1)]**AFRHFU** | **XC2086**[1)]**AFRHFU** |
| **XC1085N**[1)]**AFRHRFU** | **XC1086**[1)]**AFRHRFU** |
| **XC2085N**[1)]**AFRHRFU** | **XC2086**[1)]**AFRHRFU** |
| **XC1085N**[1)]**AFLHFU** | **XC1086**[1)]**AFLHFU** |
| **XC2085N**[1)]**AFLHFU** | **XC2086**[1)]**AFLHFU** |
| **XC1085N**[1)]**AFLHRFU** | **XC1086**[1)]**AFLHRFU** |
| **XC2085N**[1)]**AFLHRFU** | **XC2086**[1)]**AFLHRFU** |
| **XC1085N**[1)]**AFLH** | **XC1086**[1)]**AFLH** |
| **XC2085N**[1)]**AFLH** | **XC2086**[1)]**AFLH** |
| **XC1085N**[1)]**AFRH** | **XC1086**[1)]**AFRH** |
| **XC2085N**[1)]**AFRH** | **XC2086**[1)]**AFRH** |
| **XC1085N**[1)]**AIE** | **XC1086**[1)]**AIE** |
| **XC2085N**[1)]**AIE** | **XC2086**[1)]**AIE** |
| **XC1085N**[1)]**AOE** | **XC1086**[1)]**AOE** |
| **XC2085N**[1)]**AOE** | **XC2086**[1)]**AOE** |
| **XC2085N**[1)]**AFLHZ** | **XC2086**[1)]**AFLHZ** |
| **XC2085N**[1)]**AFRHZ** | **XC2086**[1)]**AFRHZ** |
| **XC085NEXTFBKIT** | **XC086EXTFBKIT** |
| **XC085N**[1)]**JP** | **XC086**[1)]**JP** |

XPUFBU

## Accessories

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC08EC** |

## 1000 A

XCF2104



XCD2104F1



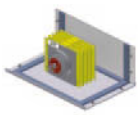
XC1104FU



XC1104AFLH



XC104JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1104**[1] | **XCF1105**[1] |
| Feeder, straight length | 2 m | **XCF2104**[1] | **XCF2105**[1] |
| Feeder, straight length | 3 m | **XCF3104**[1] | **XCF3105**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1104**[1]**F1** | **XCD1105**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2104**[1]**F1** | **XCD2105**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2104**[1]**F2** | **XCD2105**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3104**[1]**F1** | **XCD3105**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3104**[1]**F2** | **XCD3105**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3104**[1]**F3** | **XCD3105**[1]**F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XC1104**[1]**EF** | **XC1105**[1]**EF** |
| End feed unit | 1 m, reverse | **XC1104**[1]**REF** | **XC1105**[1]**REF** |
| Flange unit | 1 m | **XC1104**[1]**FU** | **XC1105**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1104**[1]**RFU** | **XC1105**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1104**[1]**AIEFU** | **XC1105**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2104**[1]**AIEFU** | **XC2105**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1104**[1]**AIERFU** | **XC1105**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2104**[1]**AIERFU** | **XC2105**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1104**[1]**AOEFU** | **XC1105**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2104**[1]**AOEFU** | **XC2105**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1104**[1]**AOERFU** | **XC1105**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2104**[1]**AOERFU** | **XC2105**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1104**[1]**AFRHFU** | **XC1105**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2104**[1]**AFRHFU** | **XC2105**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1104**[1]**AFRHRFU** | **XC1105**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2104**[1]**AFRHRFU** | **XC2105**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1104**[1]**AFLHFU** | **XC1105**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2104**[1]**AFLHFU** | **XC2105**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1104**[1]**AFLHRFU** | **XC1105**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2104**[1]**AFLHRFU** | **XC2105**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1104**[1]**AFLH** | **XC1105**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2104**[1]**AFLH** | **XC2105**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1104**[1]**AFRH** | **XC1105**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2104**[1]**AFRH** | **XC2105**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1104**[1]**AIE** | **XC1105**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2104**[1]**AIE** | **XC2105**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1104**[1]**AOE** | **XC1105**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2104**[1]**AOE** | **XC2105**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2104**[1]**AFLHZ** | **XC2105**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2104**[1]**AFRHZ** | **XC2105**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC104EXTFBKIT** | **XC105EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC104**[1]**JP** | **XC105**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| XCF1105N[1)] | XCF1106[1)] |
| XCF2105N[1)] | XCF2106[1)] |
| XCF3105N[1)] | XCF3106[1)] |
| XCD1105N[1)]F1 | XCD1106[1)]F1 |
| XCD2105N[1)]F1 | XCD2106[1)]F1 |
| XCD2105N[1)]F2 | XCD2106[1)]F2 |
| XCD3105N[1)]F1 | XCD3106[1)]F1 |
| XCD3105N[1)]F2 | XCD3106[1)]F2 |
| XCD3105N[1)]F3 | XCD3106[1)]F3 |
| XC1105N[1)]EF | XC1106[1)]EF |
| XC1105N[1)]REF | XC1106[1)]REF |
| XC1105N[1)]FU | XC1106[1)]FU |
| XC1105N[1)]RFU | XC1106[1)]RFU |
| XC1105N[1)]AIEFU | XC1106[1)]AIEFU |
| XC2105N[1)]AIEFU | XC2106[1)]AIEFU |
| XC1105N[1)]AIERFU | XC1106[1)]AIERFU |
| XC2105N[1)]AIERFU | XC2106[1)]AIERFU |
| XC1105N[1)]AOEFU | XC1106[1)]AOEFU |
| XC2105N[1)]AOEFU | XC2106[1)]AOEFU |
| XC1105N[1)]AOERFU | XC1106[1)]AOERFU |
| XC2105N[1)]AOERFU | XC2106[1)]AOERFU |
| XC1105N[1)]AFRHFU | XC1106[1)]AFRHFU |
| XC2105N[1)]AFRHFU | XC2106[1)]AFRHFU |
| XC1105N[1)]AFRHRFU | XC1106[1)]AFRHRFU |
| XC2105N[1)]AFRHRFU | XC2106[1)]AFRHRFU |
| XC1105N[1)]AFLHFU | XC1106[1)]AFLHFU |
| XC2105N[1)]AFLHFU | XC2106[1)]AFLHFU |
| XC1105N[1)]AFLHRFU | XC1106[1)]AFLHRFU |
| XC2105N[1)]AFLHRFU | XC2106[1)]AFLHRFU |
| XC1105N[1)]AFLH | XC1106[1)]AFLH |
| XC2105N[1)]AFLH | XC2106[1)]AFLH |
| XC1105N[1)]AFRH | XC1106[1)]AFRH |
| XC2105N[1)]AFRH | XC2106[1)]AFRH |
| XC1105N[1)]AIE | XC1106[1)]AIE |
| XC2105N[1)]AIE | XC2106[1)]AIE |
| XC1105N[1)]AOE | XC1106[1)]AOE |
| XC2105N[1)]AOE | XC2106[1)]AOE |
| XC2105N[1)]AFLHZ | XC2106[1)]AFLHZ |
| XC2105N[1)]AFRHZ | XC2106[1)]AFRHZ |
| XC105NEXTFBKIT | XC106EXTFBKIT |
| XC105N[1)]JP | XC106[1)]JP |

XPUFBU

## Accessories

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC10EC** |

## 1250 A

XCF2124



XCD3124F1



XC1124FU



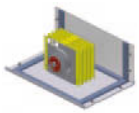
XC1124AFLH



XC2124AFLHZ



XC124JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1124**[1] | **XCF1125**[1] |
| Feeder, straight length | 2 m | **XCF2124**[1] | **XCF2125**[1] |
| Feeder, straight length | 3 m | **XCF3124**[1] | **XCF3125**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1124**[1]**F1** | **XCD1125**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2124**[1]**F1** | **XCD2125**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2124**[1]**F2** | **XCD2125**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3124**[1]**F1** | **XCD3125**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3124**[1]**F2** | **XCD3125**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3124**[1]**F3** | **XCD3125**[1]**F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XC1124**[1]**EF** | **XC1125**[1]**EF** |
| End feed unit | 1 m, reverse | **XC1124**[1]**REF** | **XC1125**[1]**REF** |
| Flange unit | 1 m | **XC1124**[1]**FU** | **XC1125**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1124**[1]**RFU** | **XC1125**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1124**[1]**AIEFU** | **XC1125**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2124**[1]**AIEFU** | **XC2125**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1124**[1]**AIERFU** | **XC1125**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2124**[1]**AIERFU** | **XC2125**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1124**[1]**AOEFU** | **XC1125**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2124**[1]**AOEFU** | **XC2125**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1124**[1]**AOERFU** | **XC1125**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2124**[1]**AOERFU** | **XC2125**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1124**[1]**AFRHFU** | **XC1125**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2124**[1]**AFRHFU** | **XC2125**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1124**[1]**AFRHRFU** | **XC1125**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2124**[1]**AFRHRFU** | **XC2125**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1124**[1]**AFLHFU** | **XC1125**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2124**[1]**AFLHFU** | **XC2125**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1124**[1]**AFLHRFU** | **XC1125**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2124**[1]**AFLHRFU** | **XC2125**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1124**[1]**AFLH** | **XC1125**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2124**[1]**AFLH** | **XC2125**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1124**[1]**AFRH** | **XC1125**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2124**[1]**AFRH** | **XC2125**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1124**[1]**AIE** | **XC1125**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2124**[1]**AIE** | **XC2125**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1124**[1]**AOE** | **XC1125**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2124**[1]**AOE** | **XC2125**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2124**[1]**AFLHZ** | **XC2125**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2124**[1]**AFRHZ** | **XC2125**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC124EXTFBKIT** | **XC125EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC124**[1]**JP** | **XC125**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1125N**[1] | **XCF1126**[1] |
| **XCF2125N**[1] | **XCF2126**[1] |
| **XCF3125N**[1] | **XCF3126**[1] |
| **XCD1125N**[1]**F1** | **XCD1126**[1]**F1** |
| **XCD2125N**[1]**F1** | **XCD2126**[1]**F1** |
| **XCD2125N**[1]**F2** | **XCD2126**[1]**F2** |
| **XCD3125N**[1]**F1** | **XCD3126**[1]**F1** |
| **XCD3125N**[1]**F2** | **XCD3126**[1]**F2** |
| **XCD3125N**[1]**F3** | **XCD3126**[1]**F3** |
| **XC1125N**[1]**EF** | **XC1126**[1]**EF** |
| **XC1125N**[1]**REF** | **XC1126**[1]**REF** |
| **XC1125N**[1]**FU** | **XC1126**[1]**FU** |
| **XC1125N**[1]**RFU** | **XC1126**[1]**RFU** |
| **XC1125N**[1]**AIEFU** | **XC1126**[1]**AIEFU** |
| **XC2125N**[1]**AIEFU** | **XC2126**[1]**AIEFU** |
| **XC1125N**[1]**AIERFU** | **XC1126**[1]**AIERFU** |
| **XC2125N**[1]**AIERFU** | **XC2126**[1]**AIERFU** |
| **XC1125N**[1]**AOEFU** | **XC1126**[1]**AOEFU** |
| **XC2125N**[1]**AOEFU** | **XC2126**[1]**AOEFU** |
| **XC1125N**[1]**AOERFU** | **XC1126**[1]**AOERFU** |
| **XC2125N**[1]**AOERFU** | **XC2126**[1]**AOERFU** |
| **XC1125N**[1]**AFRHFU** | **XC1126**[1]**AFRHFU** |
| **XC2125N**[1]**AFRHFU** | **XC2126**[1]**AFRHFU** |
| **XC1125N**[1]**AFRHRFU** | **XC1126**[1]**AFRHRFU** |
| **XC2125N**[1]**AFRHRFU** | **XC2126**[1]**AFRHRFU** |
| **XC1125N**[1]**AFLHFU** | **XC1126**[1]**AFLHFU** |
| **XC2125N**[1]**AFLHFU** | **XC2126**[1]**AFLHFU** |
| **XC1125N**[1]**AFLHRFU** | **XC1126**[1]**AFLHRFU** |
| **XC2125N**[1]**AFLHRFU** | **XC2126**[1]**AFLHRFU** |
| **XC1125N**[1]**AFLH** | **XC1126**[1]**AFLH** |
| **XC2125N**[1]**AFLH** | **XC2126**[1]**AFLH** |
| **XC1125N**[1]**AFRH** | **XC1126**[1]**AFRH** |
| **XC2125N**[1]**AFRH** | **XC2126**[1]**AFRH** |
| **XC1125N**[1]**AIE** | **XC1126**[1]**AIE** |
| **XC2125N**[1]**AIE** | **XC2126**[1]**AIE** |
| **XC1125N**[1]**AOE** | **XC1126**[1]**AOE** |
| **XC2125N**[1]**AOE** | **XC2126**[1]**AOE** |
| **XC2125N**[1]**AFLHZ** | **XC2126**[1]**AFLHZ** |
| **XC2125N**[1]**AFRHZ** | **XC2126**[1]**AFRHZ** |
| **XC125NEXTFBKIT** | **XC126EXTFBKIT** |
| **XC125N**[1]**JP** | **XC126**[1]**JP** |

## 1250 A

XC124TRF1



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 800 kVA, 1250 A | **XC124**[1]**TRF1** |
| 4-bar transformer connection type 2 | 800 kVA, 1250 A | **XC124**[1]**TRF2** |

[1] Insert 'T' for Tin plated Copper busbars

PCN1355



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 600 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1355** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC12EC** |

## 1600 A

XCF2164



XCD1164F1



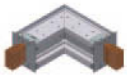
XC1164FU



XC1164AIEFU



XC1164AFLH



XC2164AFLHZ



XC164JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1164**[1] | **XCF1165**[1] |
| Feeder, straight length | 2 m | **XCF2164**[1] | **XCF2165**[1] |
| Feeder, straight length | 3 m | **XCF3164**[1] | **XCF3165**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1164**[1]**F1** | **XCD1165**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2164**[1]**F1** | **XCD2165**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2164**[1]**F2** | **XCD2165**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3164**[1]**F1** | **XCD3165**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3164**[1]**F2** | **XCD3165**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3164**[1]**F3** | **XCD3165**[1]**F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XC1164**[1]**EF** | **XC1165**[1]**EF** |
| End feed unit | 1 m, reverse | **XC1164**[1]**REF** | **XC1165**[1]**REF** |
| Flange unit | 1 m | **XC1164**[1]**FU** | **XC1165**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1164**[1]**RFU** | **XC1165**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1164**[1]**AIEFU** | **XC1165**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2164**[1]**AIEFU** | **XC2165**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1164**[1]**AIERFU** | **XC1165**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2164**[1]**AIERFU** | **XC2165**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1164**[1]**AOEFU** | **XC1165**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2164**[1]**AOEFU** | **XC2165**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1164**[1]**AOERFU** | **XC1165**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2164**[1]**AOERFU** | **XC2165**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1164**[1]**AFRHFU** | **XC1165**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2164**[1]**AFRHFU** | **XC2165**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1164**[1]**AFRHRFU** | **XC1165**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2164**[1]**AFRHRFU** | **XC2165**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1164**[1]**AFLHFU** | **XC1165**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2164**[1]**AFLHFU** | **XC2165**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1164**[1]**AFLHRFU** | **XC1165**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2164**[1]**AFLHRFU** | **XC2165**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1164**[1]**AFLH** | **XC1165**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2164**[1]**AFLH** | **XC2165**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1164**[1]**AFRH** | **XC1165**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2164**[1]**AFRH** | **XC2165**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1164**[1]**AIE** | **XC1165**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2164**[1]**AIE** | **XC2165**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1164**[1]**AOE** | **XC1165**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2164**[1]**AOE** | **XC2165**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2164**[1]**AFLHZ** | **XC2165**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2164**[1]**AFRHZ** | **XC2165**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC164EXTFBKIT** | **XC165EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC164**[1]**JP** | **XC165**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1165N**[1] | **XCF1166**[1] |
| **XCF2165N**[1] | **XCF2166**[1] |
| **XCF3165N**[1] | **XCF3166**[1] |
| **XCD1165N**[1]**F1** | **XCD1166**[1]**F1** |
| **XCD2165N**[1]**F1** | **XCD2166**[1]**F1** |
| **XCD2165N**[1]**F2** | **XCD2166**[1]**F2** |
| **XCD3165N**[1]**F1** | **XCD3166**[1]**F1** |
| **XCD3165N**[1]**F2** | **XCD3166**[1]**F2** |
| **XCD3165N**[1]**F3** | **XCD3166**[1]**F3** |
| **XC1165N**[1]**EF** | **XC1166**[1]**EF** |
| **XC1165N**[1]**REF** | **XC1166**[1]**REF** |
| **XC1165N**[1]**FU** | **XC1166**[1]**FU** |
| **XC1165N**[1]**RFU** | **XC1166**[1]**RFU** |
| **XC1165N**[1]**AIEFU** | **XC1166**[1]**AIEFU** |
| **XC2165N**[1]**AIEFU** | **XC2166**[1]**AIEFU** |
| **XC1165N**[1]**AIERFU** | **XC1166**[1]**AIERFU** |
| **XC2165N**[1]**AIERFU** | **XC2166**[1]**AIERFU** |
| **XC1165N**[1]**AOEFU** | **XC1166**[1]**AOEFU** |
| **XC2165N**[1]**AOEFU** | **XC2166**[1]**AOEFU** |
| **XC1165N**[1]**AOERFU** | **XC1166**[1]**AOERFU** |
| **XC2165N**[1]**AOERFU** | **XC2166**[1]**AOERFU** |
| **XC1165N**[1]**AFRHFU** | **XC1166**[1]**AFRHFU** |
| **XC2165N**[1]**AFRHFU** | **XC2166**[1]**AFRHFU** |
| **XC1165N**[1]**AFRHRFU** | **XC1166**[1]**AFRHRFU** |
| **XC2165N**[1]**AFRHRFU** | **XC2166**[1]**AFRHRFU** |
| **XC1165N**[1]**AFLHFU** | **XC1166**[1]**AFLHFU** |
| **XC2165N**[1]**AFLHFU** | **XC2166**[1]**AFLHFU** |
| **XC1165N**[1]**AFLHRFU** | **XC1166**[1]**AFLHRFU** |
| **XC2165N**[1]**AFLHRFU** | **XC2166**[1]**AFLHRFU** |
| **XC1165N**[1]**AFLH** | **XC1166**[1]**AFLH** |
| **XC2165N**[1]**AFLH** | **XC2166**[1]**AFLH** |
| **XC1165N**[1]**AFRH** | **XC1166**[1]**AFRH** |
| **XC2165N**[1]**AFRH** | **XC2166**[1]**AFRH** |
| **XC1165N**[1]**AIE** | **XC1166**[1]**AIE** |
| **XC2165N**[1]**AIE** | **XC2166**[1]**AIE** |
| **XC1165N**[1]**AOE** | **XC1166**[1]**AOE** |
| **XC2165N**[1]**AOE** | **XC2166**[1]**AOE** |
| **XC2165N**[1]**AFLHZ** | **XC2166**[1]**AFLHZ** |
| **XC2165N**[1]**AFRHZ** | **XC2166**[1]**AFRHZ** |
| **XC165NEXTFBKIT** | **XC166EXTFBKIT** |
| **XC165N**[1]**JP** | **XC166**[1]**JP** |

## 1600 A

XC164TRF2



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 1000 kVA, 1600 A | **XC164**[1]**TRF1** |
| 4-bar transformer connection type 2 | 1000 kVA, 1600 A | **XC164**[1]**TRF2** |

[1] Insert 'T' for Tin plated Copper busbars

PCN1355



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 600 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1355** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC16EC** |

## 2000 A

XCF2204



XCD2204F2



XC1204FU



XC1204AIEFU



XC1204AFLH



XC2204AFLHZ



XC204JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1204**[1] | **XCF1205**[1] |
| Feeder, straight length | 2 m | **XCF2204**[1] | **XCF2205**[1] |
| Feeder, straight length | 3 m | **XCF3204**[1] | **XCF3205**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1204**[1]**F1** | **XCD1205**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2204**[1]**F1** | **XCD2205**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2204**[1]**F2** | **XCD2205**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3204**[1]**F1** | **XCD3205**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3204**[1]**F2** | **XCD3205**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3204**[1]**F3** | **XCD3205**[1]**F3** |
| **Feeders and flange units** | | | |
| End feed unit | 1 m | **XC1204**[1]**EF** | **XC1205**[1]**EF** |
| End feed unit | 1 m, reverse | **XC1204**[1]**REF** | **XC1205**[1]**REF** |
| Flange unit | 1 m | **XC1204**[1]**FU** | **XC1205**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1204**[1]**RFU** | **XC1205**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1204**[1]**AIEFU** | **XC1205**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2204**[1]**AIEFU** | **XC2205**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1204**[1]**AIERFU** | **XC1205**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2204**[1]**AIERFU** | **XC2205**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1204**[1]**AOEFU** | **XC1205**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2204**[1]**AOEFU** | **XC2205**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1204**[1]**AOERFU** | **XC1205**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2204**[1]**AOERFU** | **XC2205**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1204**[1]**AFRHFU** | **XC1205**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2204**[1]**AFRHFU** | **XC2205**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1204**[1]**AFRHRFU** | **XC1205**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2204**[1]**AFRHRFU** | **XC2205**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1204**[1]**AFLHFU** | **XC1205**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2204**[1]**AFLHFU** | **XC2205**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1204**[1]**AFLHRFU** | **XC1205**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2204**[1]**AFLHRFU** | **XC2205**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1204**[1]**AFLH** | **XC1205**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2204**[1]**AFLH** | **XC2205**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1204**[1]**AFRH** | **XC1205**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2204**[1]**AFRH** | **XC2205**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1204**[1]**AIE** | **XC1205**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2204**[1]**AIE** | **XC2205**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1204**[1]**AOE** | **XC1205**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2204**[1]**AOE** | **XC2205**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2204**[1]**AFLHZ** | **XC2205**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2204**[1]**AFRHZ** | **XC2205**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC204EXTFBKIT** | **XC205EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC204**[1]**JP** | **XC205**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1205N**[1] | **XCF1206**[1] |
| **XCF2205N**[1] | **XCF2206**[1] |
| **XCF3205N**[1] | **XCF3206**[1] |
| **XCD1205N**[1]**F1** | **XCD1206**[1]**F1** |
| **XCD2205N**[1]**F1** | **XCD2206**[1]**F1** |
| **XCD2205N**[1]**F2** | **XCD2206**[1]**F2** |
| **XCD3205N**[1]**F1** | **XCD3206**[1]**F1** |
| **XCD3205N**[1]**F2** | **XCD3206**[1]**F2** |
| **XCD3205N**[1]**F3** | **XCD3206**[1]**F3** |
| **XC1205N**[1]**EF** | **XC1206**[1]**EF** |
| **XC1205N**[1]**REF** | **XC1206**[1]**REF** |
| **XC1205N**[1]**FU** | **XC1206**[1]**FU** |
| **XC1205N**[1]**RFU** | **XC1206**[1]**RFU** |
| **XC1205N**[1]**AIEFU** | **XC1206**[1]**AIEFU** |
| **XC2205N**[1]**AIEFU** | **XC2206**[1]**AIEFU** |
| **XC1205N**[1]**AIERFU** | **XC1206**[1]**AIERFU** |
| **XC2205N**[1]**AIERFU** | **XC2206**[1]**AIERFU** |
| **XC1205N**[1]**AOEFU** | **XC1206**[1]**AOEFU** |
| **XC2205N**[1]**AOEFU** | **XC2206**[1]**AOEFU** |
| **XC1205N**[1]**AOERFU** | **XC1206**[1]**AOERFU** |
| **XC2205N**[1]**AOERFU** | **XC2206**[1]**AOERFU** |
| **XC1205N**[1]**AFRHFU** | **XC1206**[1]**AFRHFU** |
| **XC2205N**[1]**AFRHFU** | **XC2206**[1]**AFRHFU** |
| **XC1205N**[1]**AFRHRFU** | **XC1206**[1]**AFRHRFU** |
| **XC2205N**[1]**AFRHRFU** | **XC2206**[1]**AFRHRFU** |
| **XC1205N**[1]**AFLHFU** | **XC1206**[1]**AFLHFU** |
| **XC2205N**[1]**AFLHFU** | **XC2206**[1]**AFLHFU** |
| **XC1205N**[1]**AFLHRFU** | **XC1206**[1]**AFLHRFU** |
| **XC2205N**[1]**AFLHRFU** | **XC2206**[1]**AFLHRFU** |
| **XC1205N**[1]**AFLH** | **XC1206**[1]**AFLH** |
| **XC2205N**[1]**AFLH** | **XC2206**[1]**AFLH** |
| **XC1205N**[1]**AFRH** | **XC1206**[1]**AFRH** |
| **XC2205N**[1]**AFRH** | **XC2206**[1]**AFRH** |
| **XC1205N**[1]**AIE** | **XC1206**[1]**AIE** |
| **XC2205N**[1]**AIE** | **XC2206**[1]**AIE** |
| **XC1205N**[1]**AOE** | **XC1206**[1]**AOE** |
| **XC2205N**[1]**AOE** | **XC2206**[1]**AOE** |
| **XC2205N**[1]**AFLHZ** | **XC2206**[1]**AFLHZ** |
| **XC2205N**[1]**AFRHZ** | **XC2206**[1]**AFRHZ** |
| **XC205NEXTFBKIT** | **XC206EXTFBKIT** |
| **XC205N**[1]**JP** | **XC206**[1]**JP** |

## 2000 A

XC204TRF1



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 1250 kVA, 2000 A | **XC204**[1]**TRF1** |
| 4-bar transformer connection type 2 | 1250 kVA, 2000 A | **XC204**[1]**TRF2** |

[1] Insert 'T' for Tin plated Copper busbars

PCN1356



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 800 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1356** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC20EC** |

## 2500 A

| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| XCF2254  | | | |
| Feeder, straight length | 1 m | **XCF1254**[1] | **XCF1255**[1] |
| Feeder, straight length | 2 m | **XCF2254**[1] | **XCF2255**[1] |
| Feeder, straight length | 3 m | **XCF3254**[1] | **XCF3255**[1] |
| XCD3254F3  | | | |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1254**[1]**F1** | **XCD1255**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2254**[1]**F1** | **XCD2255**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2254**[1]**F2** | **XCD2255**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3254**[1]**F1** | **XCD3255**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3254**[1]**F2** | **XCD3255**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3254**[1]**F3** | **XCD3255**[1]**F3** |
| **Feeders and flange units** | | | |
| XC1254FU  | | | |
| End feed unit | Made to order | Made to order | Made to order |
| End feed unit | Made to order | Made to order | Made to order |
| Flange unit | 1 m | **XC1254**[1]**FU** | **XC1255**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1254**[1]**RFU** | **XC1255**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1254**[1]**AIEFU** | **XC1255**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2254**[1]**AIEFU** | **XC2255**[1]**AIEFU** |
| XC1254AOEFU  | | | |
| Flange unit | 1 m, angle inside edge reverse | **XC1254**[1]**AIERFU** | **XC1255**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2254**[1]**AIERFU** | **XC2255**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1254**[1]**AOEFU** | **XC1255**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2254**[1]**AOEFU** | **XC2255**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1254**[1]**AOERFU** | **XC1255**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2254**[1]**AOERFU** | **XC2255**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1254**[1]**AFRHFU** | **XC1255**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2254**[1]**AFRHFU** | **XC2255**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1254**[1]**AFRHRFU** | **XC1255**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2254**[1]**AFRHRFU** | **XC2255**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1254**[1]**AFLHFU** | **XC1255**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2254**[1]**AFLHFU** | **XC2255**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1254**[1]**AFLHRFU** | **XC1255**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2254**[1]**AFLHRFU** | **XC2255**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| XC1254AFLH  | | | |
| Angle | 1 m, flat left hand | **XC1254**[1]**AFLH** | **XC1255**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2254**[1]**AFLH** | **XC2255**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1254**[1]**AFRH** | **XC1255**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2254**[1]**AFRH** | **XC2255**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1254**[1]**AIE** | **XC1255**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2254**[1]**AIE** | **XC2255**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1254**[1]**AOE** | **XC1255**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2254**[1]**AOE** | **XC2255**[1]**AOE** |
| **Combination angles** | | | |
| XC2254AFLHZ  | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2254**[1]**AFLHZ** | **XC2255**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2254**[1]**AFRHZ** | **XC2255**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC254EXTFBKIT** | **XC255EXTFBKIT** |
| **Joint Pack** | | | |
| XC254JP  | | | |
| Joint pack | | **XC254**[1]**JP** | **XC255**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1255N**[1] | **XCF1256**[1] |
| **XCF2255N**[1] | **XCF2256**[1] |
| **XCF3255N**[1] | **XCF3256**[1] |
| **XCD1255N**[1]**F1** | **XCD1256**[1]**F1** |
| **XCD2255N**[1]**F1** | **XCD2256**[1]**F1** |
| **XCD2255N**[1]**F2** | **XCD2256**[1]**F2** |
| **XCD3255N**[1]**F1** | **XCD3256**[1]**F1** |
| **XCD3255N**[1]**F2** | **XCD3256**[1]**F2** |
| **XCD3255N**[1]**F3** | **XCD3256**[1]**F3** |
| Made to order | Made to order |
| Made to order | Made to order |
| **XC1255N**[1]**FU** | **XC1256**[1]**FU** |
| **XC1255N**[1]**RFU** | **XC1256**[1]**RFU** |
| **XC1255N**[1]**AIEFU** | **XC1256**[1]**AIEFU** |
| **XC2255N**[1]**AIEFU** | **XC2256**[1]**AIEFU** |
| **XC1255N**[1]**AIERFU** | **XC1256**[1]**AIERFU** |
| **XC2255N**[1]**AIERFU** | **XC2256**[1]**AIERFU** |
| **XC1255N**[1]**AOEFU** | **XC1256**[1]**AOEFU** |
| **XC2255N**[1]**AOEFU** | **XC2256**[1]**AOEFU** |
| **XC1255N**[1]**AOERFU** | **XC1256**[1]**AOERFU** |
| **XC2255N**[1]**AOERFU** | **XC2256**[1]**AOERFU** |
| **XC1255N**[1]**AFRHFU** | **XC1256**[1]**AFRHFU** |
| **XC2255N**[1]**AFRHFU** | **XC2256**[1]**AFRHFU** |
| **XC1255N**[1]**AFRHRFU** | **XC1256**[1]**AFRHRFU** |
| **XC2255N**[1]**AFRHRFU** | **XC2256**[1]**AFRHRFU** |
| **XC1255N**[1]**AFLHFU** | **XC1256**[1]**AFLHFU** |
| **XC2255N**[1]**AFLHFU** | **XC2256**[1]**AFLHFU** |
| **XC1255N**[1]**AFLHRFU** | **XC1256**[1]**AFLHRFU** |
| **XC2255N**[1]**AFLHRFU** | **XC2256**[1]**AFLHRFU** |
| **XC1255N**[1]**AFLH** | **XC1256**[1]**AFLH** |
| **XC2255N**[1]**AFLH** | **XC2256**[1]**AFLH** |
| **XC1255N**[1]**AFRH** | **XC1256**[1]**AFRH** |
| **XC2255N**[1]**AFRH** | **XC2256**[1]**AFRH** |
| **XC1255N**[1]**AIE** | **XC1256**[1]**AIE** |
| **XC2255N**[1]**AIE** | **XC2256**[1]**AIE** |
| **XC1255N**[1]**AOE** | **XC1256**[1]**AOE** |
| **XC2255N**[1]**AOE** | **XC2256**[1]**AOE** |
| **XC2255N**[1]**AFLHZ** | **XC2256**[1]**AFLHZ** |
| **XC2255N**[1]**AFRHZ** | **XC2256**[1]**AFRHZ** |
| **XC255NEXTFBKIT** | **XC256EXTFBKIT** |
| **XC255N**[1]**JP** | **XC256**[1]**JP** |

## 2500 A

XC254TRF2



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 1600 kVA, 2500 A | **XC254**[1]**TRF1** |
| 4-bar transformer connection type 2 | 1600 kVA, 2500 A | **XC254**[1]**TRF2** |

[1] Insert 'T' for Tin plated Copper busbars

PCN1356



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 800 mm² 500 mm long copper braids c/w Tin plated connection plates | 1 per phase | **PCN1356** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC25EC** |

## 3200 A

XCF2324



XCD1324F1



XC1324FU



XC1324AFRHFU



XC1324AFLH



XC2324AFLHZ



XC324JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1324**[1] | **XCF1325**[1] |
| Feeder, straight length | 2 m | **XCF2324**[1] | **XCF2325**[1] |
| Feeder, straight length | 3 m | **XCF3324**[1] | **XCF3325**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1324**[1]**F1** | **XCD1325**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2324**[1]**F1** | **XCD2325**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2324**[1]**F2** | **XCD2325**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3324**[1]**F1** | **XCD3325**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3324**[1]**F2** | **XCD3325**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3324**[1]**F3** | **XCD3325**[1]**F3** |
| **Feeders and flange units** | | | |
| Flange unit | 1 m | **XC1324**[1]**FU** | **XC1325**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1324**[1]**RFU** | **XC1325**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1324**[1]**AIEFU** | **XC1325**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2324**[1]**AIEFU** | **XC2325**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1324**[1]**AIERFU** | **XC1325**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2324**[1]**AIERFU** | **XC2325**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1324**[1]**AOEFU** | **XC1325**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2324**[1]**AOEFU** | **XC2325**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1324**[1]**AOERFU** | **XC1325**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2324**[1]**AOERFU** | **XC2325**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1324**[1]**AFRHFU** | **XC1325**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2324**[1]**AFRHFU** | **XC2325**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1324**[1]**AFRHRFU** | **XC1325**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2324**[1]**AFRHRFU** | **XC2325**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1324**[1]**AFLHFU** | **XC1325**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2324**[1]**AFLHFU** | **XC2325**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1324**[1]**AFLHRFU** | **XC1325**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2324**[1]**AFLHRFU** | **XC2325**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1324**[1]**AFLH** | **XC1325**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2324**[1]**AFLH** | **XC2325**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1324**[1]**AFRH** | **XC1325**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2324**[1]**AFRH** | **XC2325**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1324**[1]**AIE** | **XC1325**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2324**[1]**AIE** | **XC2325**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1324**[1]**AOE** | **XC1325**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2324**[1]**AOE** | **XC2325**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2324**[1]**AFLHZ** | **XC2325**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2324**[1]**AFRHZ** | **XC2325**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC324EXTFBKIT** | **XC325EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC324**[1]**JP** | **XC325**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1325N**[1] | **XCF1326**[1] |
| **XCF2325N**[1] | **XCF2326**[1] |
| **XCF3325N**[1] | **XCF3326**[1] |
| **XCD1325N**[1]**F1** | **XCD1326**[1]**F1** |
| **XCD2325N**[1]**F1** | **XCD2326**[1]**F1** |
| **XCD2325N**[1]**F2** | **XCD2326**[1]**F2** |
| **XCD3325N**[1]**F1** | **XCD3326**[1]**F1** |
| **XCD3325N**[1]**F2** | **XCD3326**[1]**F2** |
| **XCD3325N**[1]**F3** | **XCD3326**[1]**F3** |
| **XC1325N**[1]**FU** | **XC1326**[1]**FU** |
| **XC1325N**[1]**RFU** | **XC1326**[1]**RFU** |
| **XC1325N**[1]**AIEFU** | **XC1326**[1]**AIEFU** |
| **XC2325N**[1]**AIEFU** | **XC2326**[1]**AIEFU** |
| **XC1325N**[1]**AIERFU** | **XC1326**[1]**AIERFU** |
| **XC2325N**[1]**AIERFU** | **XC2326**[1]**AIERFU** |
| **XC1325N**[1]**AOEFU** | **XC1326**[1]**AOEFU** |
| **XC2325N**[1]**AOEFU** | **XC2326**[1]**AOEFU** |
| **XC1325N**[1]**AOERFU** | **XC1326**[1]**AOERFU** |
| **XC2325N**[1]**AOERFU** | **XC2326**[1]**AOERFU** |
| **XC1325N**[1]**AFRHFU** | **XC1326**[1]**AFRHFU** |
| **XC2325N**[1]**AFRHFU** | **XC2326**[1]**AFRHFU** |
| **XC1325N**[1]**AFRHRFU** | **XC1326**[1]**AFRHRFU** |
| **XC2325N**[1]**AFRHRFU** | **XC2326**[1]**AFRHRFU** |
| **XC1325N**[1]**AFLHFU** | **XC1326**[1]**AFLHFU** |
| **XC2325N**[1]**AFLHFU** | **XC2326**[1]**AFLHFU** |
| **XC1325N**[1]**AFLHRFU** | **XC1326**[1]**AFLHRFU** |
| **XC2325N**[1]**AFLHRFU** | **XC2326**[1]**AFLHRFU** |
| **XC1325N**[1]**AFLH** | **XC1326**[1]**AFLH** |
| **XC2325N**[1]**AFLH** | **XC2326**[1]**AFLH** |
| **XC1325N**[1]**AFRH** | **XC1326**[1]**AFRH** |
| **XC2325N**[1]**AFRH** | **XC2326**[1]**AFRH** |
| **XC1325N**[1]**AIE** | **XC1326**[1]**AIE** |
| **XC2325N**[1]**AIE** | **XC2326**[1]**AIE** |
| **XC1325N**[1]**AOE** | **XC1326**[1]**AOE** |
| **XC2325N**[1]**AOE** | **XC2326**[1]**AOE** |
| **XC2325N**[1]**AFLHZ** | **XC2326**[1]**AFLHZ** |
| **XC2325N**[1]**AFRHZ** | **XC2326**[1]**AFRHZ** |
| **XC325NEXTFBKIT** | **XC326EXTFBKIT** |
| **XC325N**[1]**JP** | **XC326**[1]**JP** |

## 3200 A

XC324TRF1



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 2000 kVA, 3200 A | **XC324**[1]**TRF1** |
| 4-bar transformer connection type 2 | 2000 kVA, 3200 A | **XC324**[1]**TRF2** |

[1] Insert 'T' for Tin plated Copper busbars

PCN1355



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 600 mm² 500 mm long copper braids c/w Tin plated connection plates | 2 per phase | **PCN1355** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC32EC** |

## 4000 A

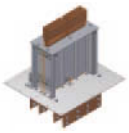
XCF3404



XCD2404F2



XC1404FU



XC1404AFRHFU



XC2404AFLHZ



XC404JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1404**[1] | **XCF1405**[1] |
| Feeder, straight length | 2 m | **XCF2404**[1] | **XCF2405**[1] |
| Feeder, straight length | 3 m | **XCF3404**[1] | **XCF3405**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1404**[1]**F1** | **XCD1405**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2404**[1]**F1** | **XCD2405**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2404**[1]**F2** | **XCD2405**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3404**[1]**F1** | **XCD3405**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3404**[1]**F2** | **XCD3405**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3404**[1]**F3** | **XCD3405**[1]**F3** |
| **Feeders and flange units** | | | |
| Flange unit | 1 m | **XC1404**[1]**FU** | **XC1405**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1404**[1]**RFU** | **XC1405**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1404**[1]**AIEFU** | **XC1405**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2404**[1]**AIEFU** | **XC2405**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1404**[1]**AIERFU** | **XC1405**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2404**[1]**AIERFU** | **XC2405**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1404**[1]**AOEFU** | **XC1405**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2404**[1]**AOEFU** | **XC2405**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1404**[1]**AOERFU** | **XC1405**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2404**[1]**AOERFU** | **XC2405**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1404**[1]**AFRHFU** | **XC1405**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2404**[1]**AFRHFU** | **XC2405**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1404**[1]**AFRHRFU** | **XC1405**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2404**[1]**AFRHRFU** | **XC2405**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1404**[1]**AFLHFU** | **XC1405**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2404**[1]**AFLHFU** | **XC2405**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1404**[1]**AFLHRFU** | **XC1405**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2404**[1]**AFLHRFU** | **XC2405**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1404**[1]**AFLH** | **XC1405**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2404**[1]**AFLH** | **XC2405**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1404**[1]**AFRH** | **XC1405**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2404**[1]**AFRH** | **XC2405**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1404**[1]**AIE** | **XC1405**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2404**[1]**AIE** | **XC2405**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1404**[1]**AOE** | **XC1405**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2404**[1]**AOE** | **XC2405**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2404**[1]**AFLHZ** | **XC2405**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2404**[1]**AFRHZ** | **XC2405**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC404EXTFBKIT** | **XC405EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC404**[1]**JP** | **XC405**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1405N**[1] | **XCF1406**[1] |
| **XCF2405N**[1] | **XCF2406**[1] |
| **XCF3405N**[1] | **XCF3406**[1] |
| **XCD1405N**[1]**F1** | **XCD1406**[1]**F1** |
| **XCD2405N**[1]**F1** | **XCD2406**[1]**F1** |
| **XCD2405N**[1]**F2** | **XCD2406**[1]**F2** |
| **XCD3405N**[1]**F1** | **XCD3406**[1]**F1** |
| **XCD3405N**[1]**F2** | **XCD3406**[1]**F2** |
| **XCD3405N**[1]**F3** | **XCD3406**[1]**F3** |
| **XC1405N**[1]**FU** | **XC1406**[1]**FU** |
| **XC1405N**[1]**RFU** | **XC1406**[1]**RFU** |
| **XC1405N**[1]**AIEFU** | **XC1406**[1]**AIEFU** |
| **XC2405N**[1]**AIEFU** | **XC2406**[1]**AIEFU** |
| **XC1405N**[1]**AIERFU** | **XC1406**[1]**AIERFU** |
| **XC2405N**[1]**AIERFU** | **XC2406**[1]**AIERFU** |
| **XC1405N**[1]**AOEFU** | **XC1406**[1]**AOEFU** |
| **XC2405N**[1]**AOEFU** | **XC2406**[1]**AOEFU** |
| **XC1405N**[1]**AOERFU** | **XC1406**[1]**AOERFU** |
| **XC2405N**[1]**AOERFU** | **XC2406**[1]**AOERFU** |
| **XC1405N**[1]**AFRHFU** | **XC1406**[1]**AFRHFU** |
| **XC2405N**[1]**AFRHFU** | **XC2406**[1]**AFRHFU** |
| **XC1405N**[1]**AFRHRFU** | **XC1406**[1]**AFRHRFU** |
| **XC2405N**[1]**AFRHRFU** | **XC2406**[1]**AFRHRFU** |
| **XC1405N**[1]**AFLHFU** | **XC1406**[1]**AFLHFU** |
| **XC2405N**[1]**AFLHFU** | **XC2406**[1]**AFLHFU** |
| **XC1405N**[1]**AFLHRFU** | **XC1406**[1]**AFLHRFU** |
| **XC2405N**[1]**AFLHRFU** | **XC2406**[1]**AFLHRFU** |
| **XC1405N**[1]**AFLH** | **XC1406**[1]**AFLH** |
| **XC2405N**[1]**AFLH** | **XC2406**[1]**AFLH** |
| **XC1405N**[1]**AFRH** | **XC1406**[1]**AFRH** |
| **XC2405N**[1]**AFRH** | **XC2406**[1]**AFRH** |
| **XC1405N**[1]**AIE** | **XC1406**[1]**AIE** |
| **XC2405N**[1]**AIE** | **XC2406**[1]**AIE** |
| **XC1405N**[1]**AOE** | **XC1406**[1]**AOE** |
| **XC2405N**[1]**AOE** | **XC2406**[1]**AOE** |
| **XC2405N**[1]**AFLHZ** | **XC2406**[1]**AFLHZ** |
| **XC2405N**[1]**AFRHZ** | **XC2406**[1]**AFRHZ** |
| **XC405NEXTFBKIT** | **XC406EXTFBKIT** |
| **XC405N**[1]**JP** | **XC406**[1]**JP** |

## 4000 A

XC404TRF2



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 2500 kVA, 4000 A | **XC404**[1]**TRF1** |
| 4-bar transformer connection type 2 | 2500 kVA, 4000 A | **XC404**[1]**TRF2** |

[1] Insert 'T' for Tin plated Copper busbars

PCN1356



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 800 mm² 500 mm long copper braids c/w Tin plated connection plates | 2 per phase | **PCN1356** |

### Accessories

XPUFBU

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC40EC** |

## 5000 A

XCF3504



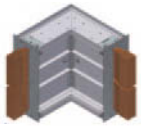
XC1504FU



XC1504AFLHFU



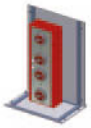
XC1504AFRH



XC2504AFLHZ



XC504JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1504**[1] | **XCF1505**[1] |
| Feeder, straight length | 2 m | **XCF2504**[1] | **XCF2505**[1] |
| Feeder, straight length | 3 m | **XCF3504**[1] | **XCF3505**[1] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1504**[1]**F1** | **XCD1505**[1]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2504**[1]**F1** | **XCD2505**[1]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2504**[1]**F2** | **XCD2505**[1]**F2** |
| Distribution, straight length | 3 m c/w 1 tap-off outlet | **XCD3504**[1]**F1** | **XCD3505**[1]**F1** |
| Distribution, straight length | 3 m c/w 2 tap-off outlet | **XCD3504**[1]**F2** | **XCD3505**[1]**F2** |
| Distribution, straight length | 3 m c/w 3 tap-off outlet | **XCD3504**[1]**F3** | **XCD3505**[1]**F3** |
| **Feeders and flange units** | | | |
| Flange unit | 1 m | **XC1504**[1]**FU** | **XC1505**[1]**FU** |
| Flange unit | 1 m, reverse | **XC1504**[1]**RFU** | **XC1505**[1]**RFU** |
| Flange unit | 1 m, angle inside edge | **XC1504**[1]**AIEFU** | **XC1505**[1]**AIEFU** |
| Flange unit | 2 m, angle inside edge | **XC2504**[1]**AIEFU** | **XC2505**[1]**AIEFU** |
| Flange unit | 1 m, angle inside edge reverse | **XC1504**[1]**AIERFU** | **XC1505**[1]**AIERFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2504**[1]**AIERFU** | **XC2505**[1]**AIERFU** |
| Flange unit | 1 m, angle outside edge | **XC1504**[1]**AOEFU** | **XC1505**[1]**AOEFU** |
| Flange unit | 2 m, angle outside edge | **XC2504**[1]**AOEFU** | **XC2505**[1]**AOEFU** |
| Flange unit | 1 m, angle outside edge reverse | **XC1504**[1]**AOERFU** | **XC1505**[1]**AOERFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2504**[1]**AOERFU** | **XC2505**[1]**AOERFU** |
| Flange unit | 1 m, angle flat right hand | **XC1504**[1]**AFRHFU** | **XC1505**[1]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand | **XC2504**[1]**AFRHFU** | **XC2505**[1]**AFRHFU** |
| Flange unit | 1 m, angle flat right hand reverse | **XC1504**[1]**AFRHRFU** | **XC1505**[1]**AFRHRFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2504**[1]**AFRHRFU** | **XC2505**[1]**AFRHRFU** |
| Flange unit | 1 m, angle flat left hand | **XC1504**[1]**AFLHFU** | **XC1505**[1]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand | **XC2504**[1]**AFLHFU** | **XC2505**[1]**AFLHFU** |
| Flange unit | 1 m, angle flat left hand reverse | **XC1504**[1]**AFLHRFU** | **XC1505**[1]**AFLHRFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2504**[1]**AFLHRFU** | **XC2505**[1]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 1 m, flat left hand | **XC1504**[1]**AFLH** | **XC1505**[1]**AFLH** |
| Angle | 2 m, flat left hand | **XC2504**[1]**AFLH** | **XC2505**[1]**AFLH** |
| Angle | 1 m, flat right hand | **XC1504**[1]**AFRH** | **XC1505**[1]**AFRH** |
| Angle | 2 m, flat right hand | **XC2504**[1]**AFRH** | **XC2505**[1]**AFRH** |
| Angle | 1 m, inside edge | **XC1504**[1]**AIE** | **XC1505**[1]**AIE** |
| Angle | 2 m, inside edge | **XC2504**[1]**AIE** | **XC2505**[1]**AIE** |
| Angle | 1 m, outside edge | **XC1504**[1]**AOE** | **XC1505**[1]**AOE** |
| Angle | 2 m, outside edge | **XC2504**[1]**AOE** | **XC2505**[1]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2504**[1]**AFLHZ** | **XC2505**[1]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2504**[1]**AFRHZ** | **XC2505**[1]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC504EXTFBKIT** | **XC505EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC504**[1]**JP** | **XC505**[1]**JP** |

[1] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1505N**[1] | **XCF1506**[1] |
| **XCF2505N**[1] | **XCF2506**[1] |
| **XCF3505N**[1] | **XCF3506**[1] |
| **XCD1505N**[1]**F1** | **XCD1506**[1]**F1** |
| **XCD2505N**[1]**F1** | **XCD2506**[1]**F1** |
| **XCD2505N**[1]**F2** | **XCD2506**[1]**F2** |
| **XCD3505N**[1]**F1** | **XCD3506**[1]**F1** |
| **XCD3505N**[1]**F2** | **XCD3506**[1]**F2** |
| **XCD3505N**[1]**F3** | **XCD3506**[1]**F3** |
| **XC1505N**[1]**FU** | **XC1506**[1]**FU** |
| **XC1505N**[1]**RFU** | **XC1506**[1]**RFU** |
| **XC1505N**[1]**AIEFU** | **XC1506**[1]**AIEFU** |
| **XC2505N**[1]**AIEFU** | **XC2506**[1]**AIEFU** |
| **XC1505N**[1]**AIERFU** | **XC1506**[1]**AIERFU** |
| **XC2505N**[1]**AIERFU** | **XC2506**[1]**AIERFU** |
| **XC1505N**[1]**AOEFU** | **XC1506**[1]**AOEFU** |
| **XC2505N**[1]**AOEFU** | **XC2506**[1]**AOEFU** |
| **XC1505N**[1]**AOERFU** | **XC1506**[1]**AOERFU** |
| **XC2505N**[1]**AOERFU** | **XC2506**[1]**AOERFU** |
| **XC1505N**[1]**AFRHFU** | **XC1506**[1]**AFRHFU** |
| **XC2505N**[1]**AFRHFU** | **XC2506**[1]**AFRHFU** |
| **XC1505N**[1]**AFRHRFU** | **XC1506**[1]**AFRHRFU** |
| **XC2505N**[1]**AFRHRFU** | **XC2506**[1]**AFRHRFU** |
| **XC1505N**[1]**AFLHFU** | **XC1506**[1]**AFLHFU** |
| **XC2505N**[1]**AFLHFU** | **XC2506**[1]**AFLHFU** |
| **XC1505N**[1]**AFLHRFU** | **XC1506**[1]**AFLHRFU** |
| **XC2505N**[1]**AFLHRFU** | **XC2506**[1]**AFLHRFU** |
| **XC1505N**[1]**AFLH** | **XC1506**[1]**AFLH** |
| **XC2505N**[1]**AFLH** | **XC2506**[1]**AFLH** |
| **XC1505N**[1]**AFRH** | **XC1506**[1]**AFRH** |
| **XC2505N**[1]**AFRH** | **XC2506**[1]**AFRH** |
| **XC1505N**[1]**AIE** | **XC1506**[1]**AIE** |
| **XC2505N**[1]**AIE** | **XC2506**[1]**AIE** |
| **XC1505N**[1]**AOE** | **XC1506**[1]**AOE** |
| **XC2505N**[1]**AOE** | **XC2506**[1]**AOE** |
| **XC2505N**[1]**AFLHZ** | **XC2506**[1]**AFLHZ** |
| **XC2505N**[1]**AFRHZ** | **XC2506**[1]**AFRHZ** |
| **XC505NEXTFBKIT** | **XC506EXTFBKIT** |
| **XC505N**[1]**JP** | **XC506**[1]**JP** |

## 5000 A

XC504TRF1



| Description | Rating | Eaton list number |
|---|---|---|
| **4-bar transformer connections** | | |
| 4-bar transformer connection type 1 | 3150 kVA, 5000 A | **XC504**[1]**TRF1** |
| 4-bar transformer connection type 2 | 3150 kVA, 5000 A | **XC504**[1]**TRF2** |

[1] Insert 'T' for Tin plated Copper busbars

PCN1356



| Description | Qty required | Eaton list number |
|---|---|---|
| **Transformer Braided Connections** | | |
| 800 mm² 500 mm long copper braids c/w Tin plated connection plates | 2 per phase | **PCN1356** |

### Accessories

XPUFBU

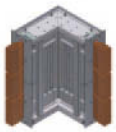
| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC50EC** |

## 6300 A

XCF2634



XC1654AFRH



XC635JP



| Description | Technical characteristics | Eaton list number 4 bar IP55 | Eaton list number 5 bar IP55 |
|---|---|---|---|
| **Straight lengths** | | | |
| Feeder, straight length | 1 m | **XCF1634**[1)] | **XCF1635**[1)] |
| Feeder, straight length | 2 m | **XCF2634**[1)] | **XCF2635**[1)] |
| Distribution, straight length | 1 m c/w 1 tap-off outlet | **XCD1634**[1)]**F1** | **XCD1635**[1)]**F1** |
| Distribution, straight length | 2 m c/w 1 tap-off outlet | **XCD2634**[1)]**F1** | **XCD2635**[1)]**F1** |
| Distribution, straight length | 2 m c/w 2 tap-off outlet | **XCD2634**[1)]**F2** | **XCD2635**[1)]**F2** |
| **Feeders and flange units** | | | |
| Flange unit | 1 m | **XC1634**[1)]**FU** | **XC1635**[1)]**FU** |
| Flange unit | 1 m, reverse | **XC1634**[1)]**RFU** | **XC1635**[1)]**RFU** |
| Flange unit | 2 m, angle inside edge | **XC2634**[1)]**AIEFU** | **XC2635**[1)]**AIEFU** |
| Flange unit | 2 m, angle inside edge reverse | **XC2634**[1)]**AIERFU** | **XC2635**[1)]**AIERFU** |
| Flange unit | 2 m, angle outside edge | **XC2634**[1)]**AOEFU** | **XC2635**[1)]**AOEFU** |
| Flange unit | 2 m, angle outside edge reverse | **XC2634**[1)]**AOERFU** | **XC2635**[1)]**AOERFU** |
| Flange unit | 2 m, angle flat right hand | **XC2634**[1)]**AFRHFU** | **XC2635**[1)]**AFRHFU** |
| Flange unit | 2 m, angle flat right hand reverse | **XC2634**[1)]**AFRHRFU** | **XC2635**[1)]**AFRHRFU** |
| Flange unit | 2 m, angle flat left hand | **XC2634**[1)]**AFLHFU** | **XC2635**[1)]**AFLHFU** |
| Flange unit | 2 m, angle flat left hand reverse | **XC2634**[1)]**AFLHRFU** | **XC2635**[1)]**AFLHRFU** |
| **Combination flange units** | | | |
| Full range of combination flange units available in all ratings | | Part numbers are issued per project | |
| **Angles** | | | |
| Angle | 2 m, flat left hand | **XC2634**[1)]**AFLH** | **XC2635**[1)]**AFLH** |
| Angle | 2 m, flat right hand | **XC2634**[1)]**AFRH** | **XC2635**[1)]**AFRH** |
| Angle | 2 m, inside edge | **XC2634**[1)]**AIE** | **XC2635**[1)]**AIE** |
| Angle | 2 m, outside edge | **XC2634**[1)]**AOE** | **XC2635**[1)]**AOE** |
| **Combination angles** | | | |
| Full range of combination angles are available in all ratings. | | Part numbers are issued per project | |
| Angle | Flat left hand 'Z' | **XC2634**[1)]**AFLHZ** | **XC2635**[1)]**AFLHZ** |
| Angle | Flat right hand 'Z' | **XC2634**[1)]**AFRHZ** | **XC2635**[1)]**AFRHZ** |
| **External fire barriers – conform to EN 1366-3 & DIN 4102-9** | | | |
| Kit for onsite install | | **XC634EXTFBKIT** | **XC635EXTFBKIT** |
| **Joint Pack** | | | |
| Joint pack | | **XC634**[1)]**JP** | **XC635**[1)]**JP** |

[1)] Insert 'T' for Tin plated Copper busbars

| Eaton list number 5 bar 200%N IP55 | Eaton list number 6 bar IP55 |
|---|---|
| **XCF1635N**[1)] | **XCF1636**[1)] |
| **XCF2635N**[1)] | **XCF2636**[1)] |
| **XCD1635N**[1)]**F1** | **XCD1636**[1)]**F1** |
| **XCD2635N**[1)]**F1** | **XCD2636**[1)]**F1** |
| **XCD2635N**[1)]**F2** | **XCD2636**[1)]**F2** |
| **XC1635N**[1)]**FU** | **XC1636**[1)]**FU** |
| **XC1635N**[1)]**RFU** | **XC1636**[1)]**RFU** |
| **XC2635N**[1)]**AIEFU** | **XC2636**[1)]**AIEFU** |
| **XC2635N**[1)]**AIERFU** | **XC2636**[1)]**AIERFU** |
| **XC2635N**[1)]**AOEFU** | **XC2636**[1)]**AOEFU** |
| **XC2635N**[1)]**AOERFU** | **XC2636**[1)]**AOERFU** |
| **XC2635N**[1)]**AFRHFU** | **XC2636**[1)]**AFRHFU** |
| **XC2635N**[1)]**AFRHRFU** | **XC2636**[1)]**AFRHRFU** |
| **XC2635N**[1)]**AFLHFU** | **XC2636**[1)]**AFLHFU** |
| **XC2635N**[1)]**AFLHRFU** | **XC2636**[1)]**AFLHRFU** |
| **XC2635N**[1)]**AFLH** | **XC2636**[1)]**AFLH** |
| **XC2635N**[1)]**AFRH** | **XC2636**[1)]**AFRH** |
| **XC2635N**[1)]**AIE** | **XC2636**[1)]**AIE** |
| **XC2635N**[1)]**AOE** | **XC2636**[1)]**AOE** |
| **XC2635N**[1)]**AFLHZ** | **XC2636**[1)]**AFLHZ** |
| **XC2635N**[1)]**AFRHZ** | **XC2636**[1)]**AFRHZ** |
| **XC635NEXTFBKIT** | **XC636EXTFBKIT** |
| **XC635N**[1)]**JP** | **XC636**[1)]**JP** |

XPUFBU

## Accessories

| Description | Eaton list number |
|---|---|
| **Fixing brackets** | |
| Universal fixing bracket | **XPUFB** |
| Universal fixing bracket c/w 400 mm unitstrut | **XPUFBU** |
| Riser fixing bracket | **XPRFB2** |
| **End cover** | |
| End cover to finish a run | **XC63EC** |

XTC332MB



## Tap-off with TP MCCB c/w rotary drive

- In steel enclosure
- Outgoing device – MCCB
- For dimensions of the tap-off types see page 120

| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with TP MCCB | 3 | TPN | 1 | 32 A | **XTC332MB** | **XTC3325MB** | **XTC332MB** | **XTC3325MB** |
| | | | | 63 A | **XTC363MB** | **XTC3635MB** | **XTC363MB** | **XTC3635MB** |
| | | | | 100 A | **XTC3100MB** | **XTC31005MB** | **XTC3100MB** | **XTC31005MB** |
| | | | | 125 A | **XTC3125MB** | **XTC31255MB** | **XTC3125MB** | **XTC31255MB** |
| | | | | 160 A | **XTC3160MB** | **XTC31605MB** | **XTC3160MB** | **XTC31605MB** |
| | 3 | TPN | 2 | 200 A | **XTC3200MB** | **XTC32005MB** | **XTC3200MB** | **XTC32005MB** |
| | | | | 250 A | **XTC3250MB** | **XTC32505MB** | **XTC3250MB** | **XTC32505MB** |
| | 3 | TPN | 3 | 320 A | **XTC3320MB** | **XTC33205MB** | **XTC3320MB** | **XTC33205MB** |
| | | | | 400 A | **XTC3400MB** | **XTC34005MB** | **XTC3400MB** | **XTC34005MB** |
| | | | | 630 A | **XTC3630MB** | **XTC36305MB** | **XTC3630MB** | **XTC36305MB** |
| Empty tap-off | 3 | TPN | 1 | 160 A | **XTC1** | **XTC1** | **XTC1** | **XTC1** |
| | | | 2 | 250 A | **XTC2** | **XTC2** | **XTC2** | **XTC2** |
| | | | 3 | 630 A | **XTC3** | **XTC3** | **XTC3** | **XTC3** |

XTC432MB



## Tap-off with 4P MCCB c/w rotary drive

- In steel enclosure
- Outgoing device – MCCB
- For dimensions of the tap-off types see page 120

| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with 4P MCCB | 3 | 4P | 1 | 32 A | **XTC432MB** | **XTC4325MB** | **XTC432MB** | **XTC4325MB** |
| | | | | 63 A | **XTC463MB** | **XTC4635MB** | **XTC463MB** | **XTC4635MB** |
| | | | | 100 A | **XTC4100MB** | **XTC41005MB** | **XTC4100MB** | **XTC41005MB** |
| | | | | 125 A | **XTC4125MB** | **XTC41255MB** | **XTC4125MB** | **XTC41255MB** |
| | | | | 160 A | **XTC4160MB** | **XTC41605MB** | **XTC4160MB** | **XTC41605MB** |
| | 3 | 4P | 2 | 200 A | **XTC4200MB** | **XTC42005MB** | **XTC4200MB** | **XTC42005MB** |
| | | | | 250 A | **XTC4250MB** | **XTC42505MB** | **XTC4250MB** | **XTC42505MB** |
| | 3 | 4P | 3 | 320 A | **XTC4320MB** | **XTC43205MB** | **XTC4320MB** | **XTC43205MB** |
| | | | | 400 A | **XTC4400MB** | **XTC44005MB** | **XTC4400MB** | **XTC44005MB** |
| | | | | 630 A | **XTC4630MB** | **XTC46305MB** | **XTC4630MB** | **XTC46305MB** |
| Empty tap-off | 3 | 4P | 1 | 160 A | **XTC1** | **XTC1** | **XTC1** | **XTC1** |
| | | | 2 | 250 A | **XTC2** | **XTC2** | **XTC2** | **XTC2** |
| | | | 3 | 630 A | **XTC3** | **XTC3** | **XTC3** | **XTC3** |

XTC3400BFS



## Tap-off with fused combination switch BS88 (HRC fuses incl)

- In steel enclosure
- Outgoing device – BS88 fuse
- For dimensions of the tap-off types see page 120

| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with | 3 | TPN | 2 | 32 A | **XTC332BFS** | **XTC3325BFS** | **XTC332BFS** | **XTC3325BFS** |
| TPN fused switch | | | | 63 A | **XTC363BFS** | **XTC3635BFS** | **XTC363BFS** | **XTC3635BFS** |
| | | | | 100 A | **XTC3100BFS** | **XTC31005BFS** | **XTC3100BFS** | **XTC31005BFS** |
| | | | | 125 A | **XTC3125BFS** | **XTC31255BFS** | **XTC3125BFS** | **XTC31255BFS** |
| | | | | 160 A | **XTC3160BFS** | **XTC31605BFS** | **XTC3160BFS** | **XTC31605BFS** |
| | | | 4 | 200 A | **XTC3200BFS** | **XTC32005BFS** | **XTC3200BFS** | **XTC32005BFS** |
| | | | | 250 A | **XTC3250BFS** | **XTC32505BFS** | **XTC3250BFS** | **XTC32505BFS** |
| | | | | 315 A | **XTC3315BFS** | **XTC33155BFS** | **XTC3315BFS** | **XTC33155BFS** |
| | | | | 400 A | **XTC3400BFS** | **XTC34005BFS** | **XTC3400BFS** | **XTC34005BFS** |
| | | | | 630 A | **XTC3630BFS** | **XTC36305BFS** | **XTC3630BFS** | **XTC36305BFS** |

XTC4320NSW



## Tap-off with fused combination switch Din NH (HRC fuses incl)

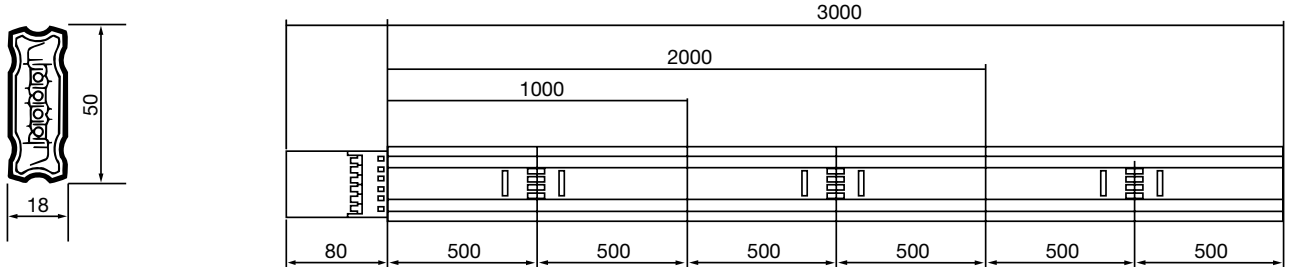
- In steel enclosure
- Outgoing device – NH fuse
- For dimensions of the tap-off types see page 120

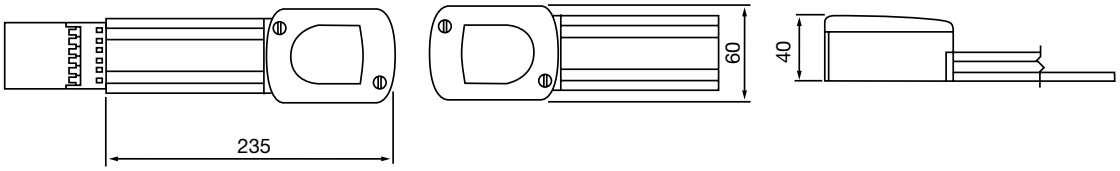
| Description | Phase | No of poles | Tap-off dimension type | Rating | Eaton list number To fit busbar trunking configured 4 bar | 5 bar | 5N bar | 6 bar |
|---|---|---|---|---|---|---|---|---|
| Tap-off with | 3 | TPSN | 2 | 32 A | **XTC432NSW** | **XTC4325NSW** | **XTC432NSW** | **XTC4325NSW** |
| TPN fused switch | | | | 63 A | **XTC463NSW** | **XTC4635NSW** | **XTC463NSW** | **XTC4635NSW** |
| | | | | 100 A | **XTC4100NSW** | **XTC41005NSW** | **XTC4100NSW** | **XTC41005NSW** |
| | | | | 125 A | **XTC4125NSW** | **XTC41255NSW** | **XTC4125NSW** | **XTC41255NSW** |
| | | | | 160 A | **XTC4160NSW** | **XTC41605NSW** | **XTC4160NSW** | **XTC41605NSW** |
| | | | 4 | 200 A | **XTC4200NSW** | **XTC42005NSW** | **XTC4200NSW** | **XTC42005NSW** |
| | | | | 250 A | **XTC4250NSW** | **XTC42505NSW** | **XTC4250NSW** | **XTC42505NSW** |
| | | | | 315 A | **XTC4320NSW** | **XTC43205NSW** | **XTC4320NSW** | **XTC43205NSW** |
| | | | | 400 A | **XTC4400NSW** | **XTC44005NSW** | **XTC4400NSW** | **XTC44005NSW** |
| | | | | 630 A | **XTC4630NSW** | **XTC46305NSW** | **XTC4630NSW** | **XTC46305NSW** |

7

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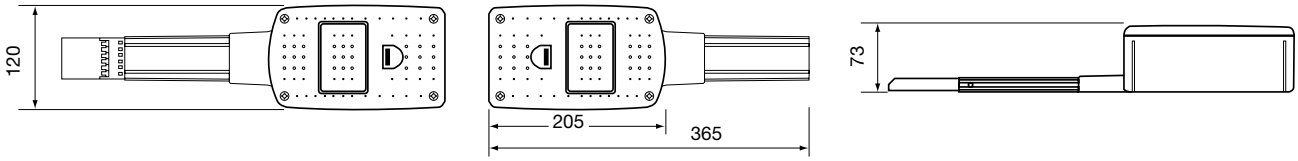
### LUX lighting range 25 - 40 A, dimensional drawings




Reverse end feed (25 A)

End feed (25 A)

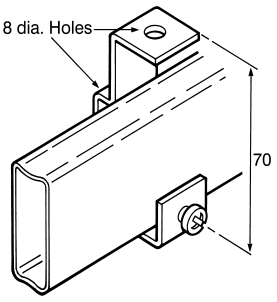



Reverse large end feed (40 A, 4 & 6 pole and 63 A 4 pole)

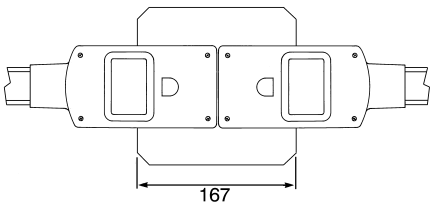
Large end feed (40 A, 4 & 6 pole & 63 A 4 pole)

### LUX lighting range 16–63A, technical data

| Eaton List No. | Description | Rating | Poles | Terminal size | Dia. Gland cable size | IP Rating | Approx weight (kg) |
|---|---|---|---|---|---|---|---|
| **LUX425EF** | Standard end feed | 16 / 25 A | 1P+N+T, 3P+N+T | min. 2.5 $mm^2$ - max. 6 $mm^2$ | max. 22 | 55 | 0.2 |
| **LUX625EF** | Standard end feed | 25 A | 5P+N+T | min. 2.5 $mm^2$ - max. 6 $mm^2$ | max. 33 | 55 | 0.55 |
| **LUX640EF** | Standard end feed | 40 A | 3P+N+T, 5P+N+T | min. 2.5 $mm^2$ - max. 10 $mm^2$ | max. 33 | 55 | 0.55 |
| **LUX463EF** | Standard end feed | 63 A | 3P+N+T | min. 2.5 $mm^2$ - max. 16 $mm^2$ | max. 33 | 55 | 1.2 |
| **LUX425REF** | Reverse end feed | 16 / 25 A | 1P+N+T, 3P+N+T | min. 2.5 $mm^2$ - max. 6 $mm^2$ | max. 22 | 55 | 0.2 |
| **LUX625REF** | Reverse end feed | 25 A | 5P+N+T | min. 2.5 $mm^2$ - max. 6 $mm^2$ | max. 33 | 55 | 0.65 |
| **LUX640REF** | Reverse end feed | 40 A | 3P+N+T, 5P+N+T | min. 2.5 $mm^2$ - max. 10 $mm^2$ | max. 33 | 55 | 0.65 |
| **LUX463REF** | Reverse end feed | 63 A | 3P+N+T | min. 2.5 $mm^2$ - max. 16 $mm^2$ | max. 33 | 55 | 1.3 |




Universal bracket

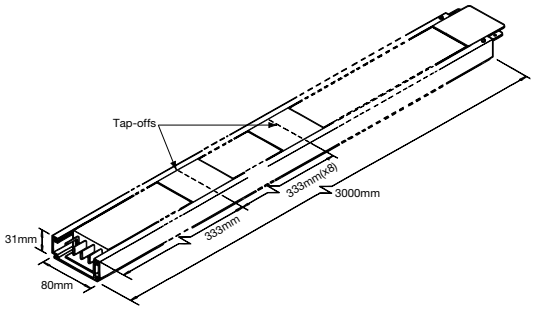



Large centre-feed kit (40 A, 4 & 6 pole - end feeds ordered seperately)

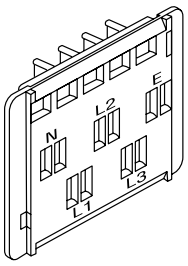
### LUX lighting range 25 - 63 A, technical data

| Characteristics | 25 A TP&N&PE | 25 A 5P&N&PE | 40 A TP&N&PE | 40 A 5P&N&PE | 63 A TP&N&PE |
|---|---|---|---|---|---|
| Rated current (A) | 25 | 25 | 40 | 40 | 63 |
| Rated insulation voltage | 690 | 690 | 690 | 690 | 690 |
| Rated operating voltage | 415 | 415 | 415 | 415 | 415 |
| Rated frequency (Hz) | 50 | 50 | 50 | 50 | 50 |
| Cross section ($mm^2$) | 3 | 3 | 6 | 6 | 8 |
| Resistance 20°C (mΩ/m) | 5.74 | 5.74 | 2.96 | 2.96 | 2.18 |
| Impedance (mΩ/m) | 7.56 | 7.56 | 3.9 | 3.9 | 2.87 |
| Operating temp range | -5 °C to 55 °C | -5 °C to 55 °C | -5 °C to 55 °C | -5 °C to 55 °C | -5 °C to 55 °C |
| Voltage drop pf 0.9 – V(V/mA)$10^3$ | 6.27 | 6.27 | 3.23 | 3.23 | 2.38 |
| Short circuit rating – Icw (A) $I^2t$ | $2600^2$ x 0.15 | $2600^2$ x 0.15 | $2800^2$ x 0.12 | $2800^2$ x 0.12 | $3400^2$ x 0.12 |
| – kA | 2.6 | 2.6 | 2.8 | 2.8 | 3.4 |
| Weight per m (kg) – 3P+N+E) | 1.85 | 1.85 | 1.95 | 1.95 | 2.3 |
| – 5P+N+E | 1.95 | 1.95 | 2.1 | 2.1 | – |
| PE casing copper equivalent ($mm^2$) | 25 | 25 | 25 | 25 | 25 |
| Feeder termination blocks ($mm^2$) | 4 | 4 | 10 | 10 | 16 |
| Tap-off outlet capacity ($mm^2$) | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 |
| IP rating – standard | 41 | 41 | 41 | 41 | 41 |
| – with accessories | 55 | 55 | 55 | 55 | 55 |
| Casing material | Al | Al | Al | Al | Al |
| Conductors | Cu + Sn | Cu + Sn | Cu + Sn | Cu + Sn | Cu + Sn |
| Tap-off conductors | Cu + Ag | Cu + Ag | Cu + Ag | Cu + Ag | Cu + Ag |
| Joint contacts | Cu + Ag | Cu + Ag | Cu + Ag | Cu + Ag | Cu + Ag |
| Joint moulding material | GF nylon VO | GF nylon VO | GF nylon VO | GF nylon VO | GF nylon VO |
| Distance between tap-offs (m) – standard | 1 | 1 | 1 | 1 | 1 |
| – request | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Tap-off moulding material | GF nylon VO | GF nylon VO | GF nylon VO | GF nylon VO | GF nylon VO |

### LP range 40 - 125 A, straight lengths, dimensional drawings

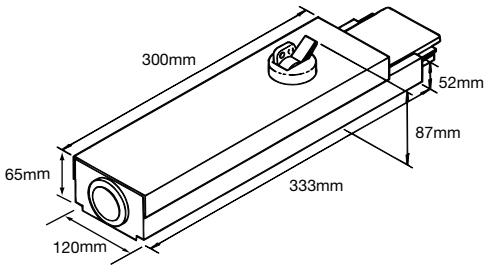


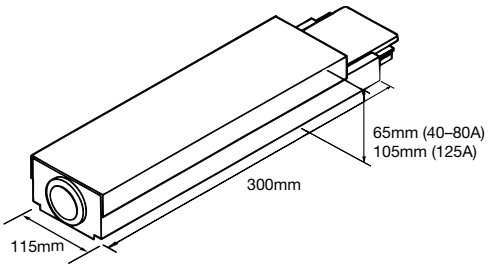

Straight length




Tap-off outlet marking

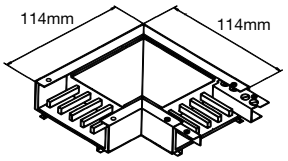
### LP range 40 - 125 A, feed units, dimensional drawings



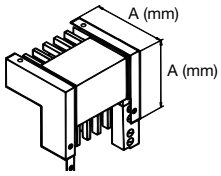



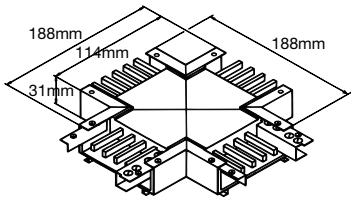

### LP range 40 - 125 A, accessories, dimensional drawings

Angle outside edge: A = 65 x 65
Angle inside edge: A = 75 x 75



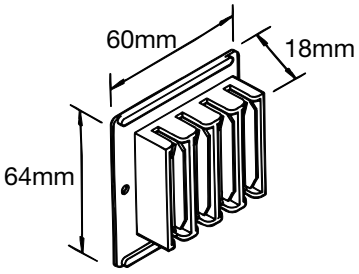

Angle flat left hand



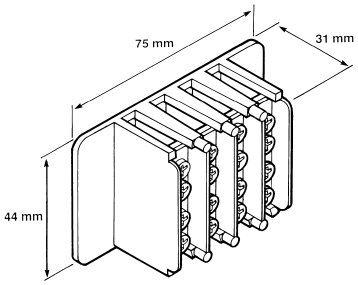




Intersection

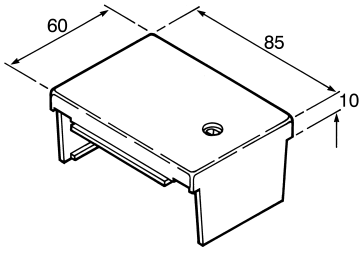
### LP range 40 - 125 A, fittings included with straight length, dimensional drawings




80 A Joint

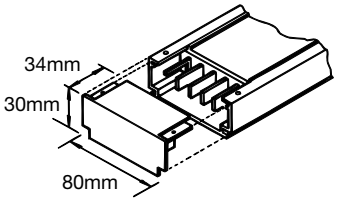



125 A Joint

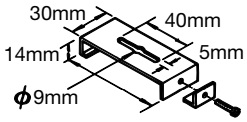



Joint cover

**LP range 40 - 125 A, fittings supplied seperately, dimensional drawings**

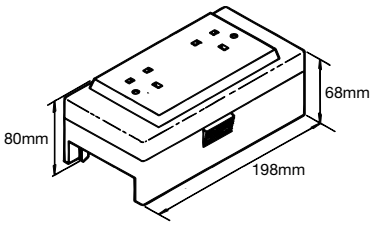



End cap

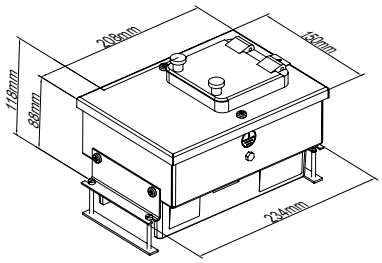



Universal fixing bracket

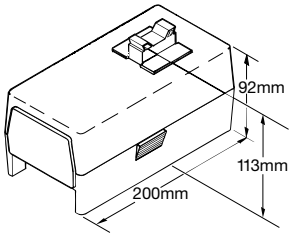
**LP range 40 - 125 A, fittings included with straight length, dimensional drawings**




BS1363 twin socket outlet




Metal-clad tap-off unit




BS fused tap-off unit

### Low power busbar rated values 40 - 125 A

| Description | | 40 A | 63 A | 80 A | 100 A | 125 A |
|---|---|---|---|---|---|---|
| Standards | | BSEN 60439-2, EN 60439-2, IEC 60439-2 | | | | |
| Rated current | | 40 A | 63 A | 80 A | 100 A | 125 A |
| This is the maximum current per pole. Single-phase tap-off units must be evenly distributed across the poles so as not to exceed the current rating in one pole or the neutral. | | | | | | |
| Rated insulation voltage (Ui) | | 500 Vac | 500 Vac | 500 Vac | 500 Vac | 500 Vac |
| This is a.c. voltage that the trunking system is designed for and is the maximum 3-phase voltage that trunking system is designed to operate at in service. | | | | | | |
| Rated frequency | | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| Phase resistance R20 [Ω/m] | | 0.00080 | 0.00080 | 0.00080 | 0.00057 | 0.00057 |
| This is the resistance R20 (at 20°C) of the conductor of each phase pole and the neutral and is used in the calculation of fault current, earth-loop impedance and voltage drop. | | | | | | |
| Phase resistance Rt [Ω/m] | | 0.00122 | 0.00122 | 0.00122 | 0.00060 | 0.00060 |
| This is the resistance Rt at full-load operating temperature of the conductor of each phase pole and the neutral and is used in the calculation of earth-loop impedance where required by wiring regulations. | | | | | | |
| Phase reactance 50Hz [Ω/m] | | 0.000101 | 0.000101 | 0.000101 | 0.000096 | 0.000096 |
| This is the inductive reactance X of each phase pole and the neutral and is used in the calculation of fault current, volt-drop and circuit impedance | | | | | | |
| PE resistance (at 20°C) | | 0.00080 | 0.00080 | 0.00080 | 0.00080 | 0.00080 |
| Internal Copper bar [Ω/m] | | 0.00080 | 0.00080 | 0.00080 | 0.00080 | 0.00080 |
| The PE resistance and reactance are used in the calculation of the fault level to earth. | | | | | | |
| Fault-loop resistance of Phase to N [Ω/m] | | 0.00416 | 0.00416 | 0.00416 | 0.00204 | 0.00204 |
| Fault-loop reactance of Phase to N [Ω/m] | | 0.00084 | 0.00084 | 0.00084 | 0.00051 | 0.00051 |
| Fault-loop resistance of Phase to case PE [Ω/m] | | 0.00166 | 0.00166 | 0.00166 | 0.00116 | 0.00116 |
| Fault-loop reactance of Phase to case PE [Ω/m] | | 0.00034 | 0.00034 | 0.00034 | 0.00029 | 0.00029 |
| These fault-loop values permit calculations of short circuit and fault currents in every point of an electrical installation including the busbar trunking system. | | | | | | |
| Volt-drop [V/A/m] | | | | | | |
| – Unity pf | | 0.0021200 | 0.0021200 | 0.0021200 | 0.0010444 | 0.0010444 |
| – 0.9 pf | | 0.0019843 | 0.0019843 | 0.0019843 | 0.0010125 | 0.0010125 |
| – 0.8 pf | | 0.0018010 | 0.0018010 | 0.0018010 | 0.0009353 | 0.0009353 |
| – 0.7 pf | | 0.0016090 | 0.0016090 | 0.0016090 | 0.0008498 | 0.0008498 |
| This figure allows an estimate to be made of the voltage drop along a run. This is the phase-to-phase voltage drop per ampere of load, along a 1 m run without tap-offs. When loaded with tap-off units evenly distributed along the run the figures are multiplied by 0.55. Note that it is advisable to check the actual voltage drop on the completed installation. | | | | | | |
| Overload current protection (A) | | 40 | 63 | 80 | 100 | 125 |
| Rated current of fuses or circuit breaker (A) | | 40 | 63 | 80 | 100 | 125 |
| Fault current protection (S/C) | | | | | | |
| Rated fused short circuit current Icf [kA] | | 80 | 80 | 80 | 80 | 80 |
| The short-time current and time together with the peak withstand current allow determination of circuit-breaker characteristics required for S/C protection. | | | | | | |
| Weight of trunking [Kg/m] | | 1.7 | 1.7 | 1.7 | 2.9 | 2.9 |
| 4-bar distribution (TP&N + case earth) | | 1.7 | 1.7 | 1.7 | 2.9 | 2.9 |
| Degree of protection to BSEN 60529 | | IP4X | IP4X | IP4X | IP4X | IP4X |
| Trunking Size W x D [mm]: | a) trunking | 80 X 31 | 80 X 31 | 80 X 31 | 80 X 31 | 80 X 31 |
| | b) overall including joint covers | 80 X 31 | 80 X 31 | 80 X 31 | 85 X 41 | 85 X 41 |

## MP Cu range 125 - 800 A, feed units, dimensional drawings

### End Feeds, IP4X

| Cu | Dim L | Dim W | Dim D |
|---|---|---|---|
| 125 A | 500 mm | 142 mm | 105 mm |
| 160 A to 400 A | 500 mm | 360 mm | 125 mm |
| 630 A | 600 mm | 470 mm | 200 mm |
| 800 A | 700 mm | 500 mm | 200 mm |

### Switched End Feeds, IP4X

| Cu | Dim L | Dim W | Dim D |
|---|---|---|---|
| 125 A | 500 mm | 280 mm | 120 mm |
| 160 A & 250 A | 500 mm | 360 mm | 140 mm |
| 400 A | 600 mm | 360 mm | 165 mm |
| 630 A | 600 mm | 470 mm | 200 mm |
| 800 A | 750 mm | 600 mm | 200 mm |

### End Feeds, IP54

| Cu | Dim L | Dim W | Dim D |
|---|---|---|---|
| 125 A to 250A | 500 mm | 350 mm | 140 mm |
| 400 A & 630 A | 600 mm | 500 mm | 200 mm |
| 800 A | 700 mm | 500 mm | 200 mm |

### Switched End Feeds, IP54

| Cu | Dim L | Dim W | Dim D |
|---|---|---|---|
| 125 A to 250 A | 500 mm | 350 mm | 140 mm |
| 400 A | 600 mm | 400 mm | 160 mm |
| 630 A | 700 mm | 500 mm | 200 mm |
| 800 A | 750 mm | 600 mm | 200 mm |

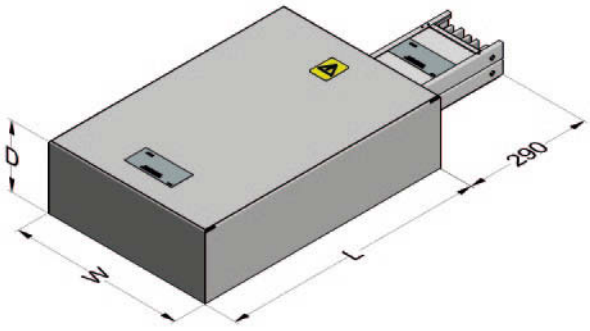
## MP Alu range 160 - 630 A, feed units, dimensional drawings

### End Feeds, IP4X & IP54

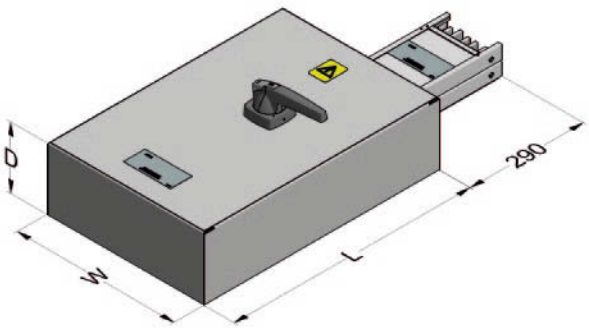
| Alu | Dim L | Dim W | Dim D |
|---|---|---|---|
| 160 A | 500 mm | 350 mm | 140 mm |
| 250 A & 400 A | 600 mm | 500 mm | 200 mm |
| 630 A | 700 mm | 500 mm | 200 mm |

### Switched End Feeds, IP4X & IP54

| Alu | Dim L | Dim W | Dim D |
|---|---|---|---|
| 160 A | 500 mm | 350 mm | 140 mm |
| 250 A & 400 A | 600mm | 400mm | 160mm |
| 630 A | 750 mm | 600 mm | 200 mm |




MP End feed.



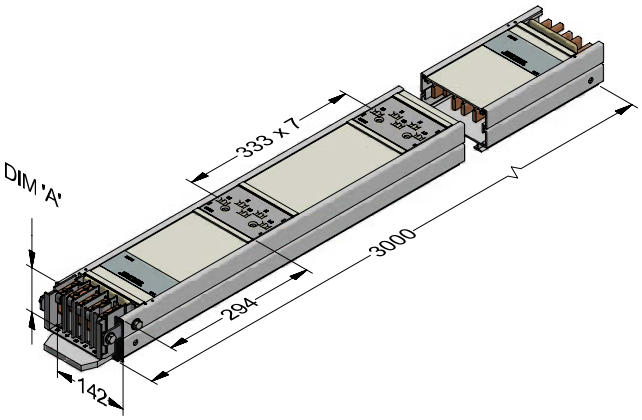

MP Switched End feed.

## MP range 125 - 800 A, feed units, dimensional drawings

### MP Cu, Switched End Feeds, IP54

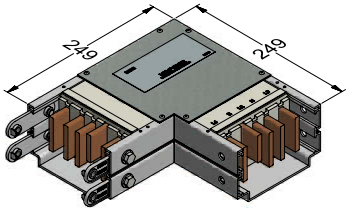
| Cu | Dim 'A' |
|---|---|
| 125 A to 250 A | 48 mm |
| 400 A to 800 A | 82 mm |

| Alu | Dim 'A' |
|---|---|
| 160 A | 48 mm |
| 250 A to 630 A | 82 mm |




### MP Cu & Alu, Flat Left / Right Angle

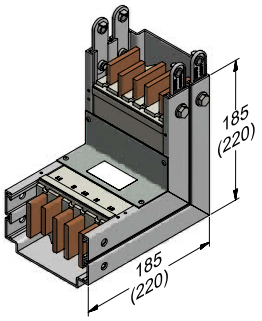
All ratings




### MP Cu & Alu, Inside Edge

| Cu | |
|---|---|
| 125 A to 250 A | 185 mm x 185 mm |
| 400 A to 800 A | 220 mm x 220 mm |

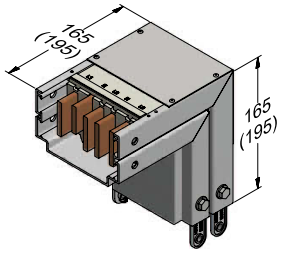
| Alu | |
|---|---|
| 160 A | 185 mm x 185 mm |
| 250 A to 630 A | 220 mm x 220 mm |




### MP Cu & Alu, Outside Edge

| Cu | |
|---|---|
| 125 A to 250 A | 165 mm x 165 mm |
| 400 A to 800 A | 195 mm x 195 mm |

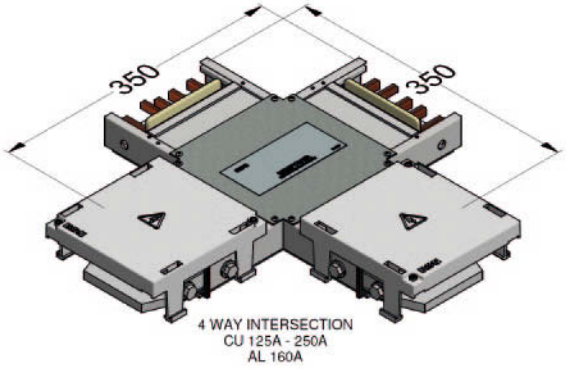
| Alu | |
|---|---|
| 160 A | 165 mm x 165 mm |
| 250 A to 630 A | 195 mm x 195 mm |




### MP Cu & Alu, 4way Intersection

| Cu | |
|---|---|
| 125 A to 250 A | 350 mm x 350 mm |

| Alu | |
|---|---|
| 160 A | 350 mm x 350 mm |

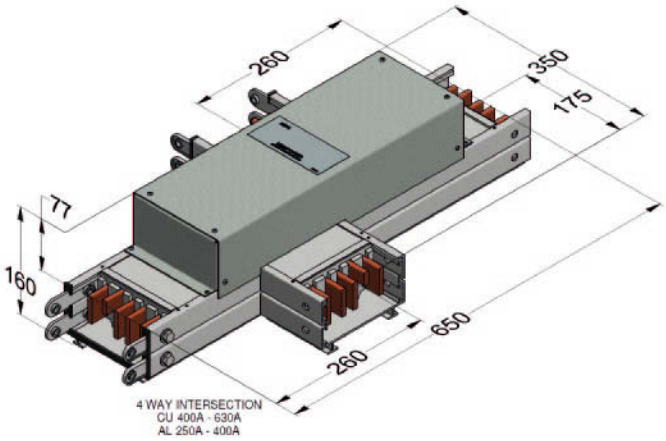


## MP range 125 - 800 A, feed units, dimensional drawings

### MP Cu & Alu 4way Intersection

| Cu | |
|---|---|
| 400 A to 630 A | 650 mm x 350 mm |

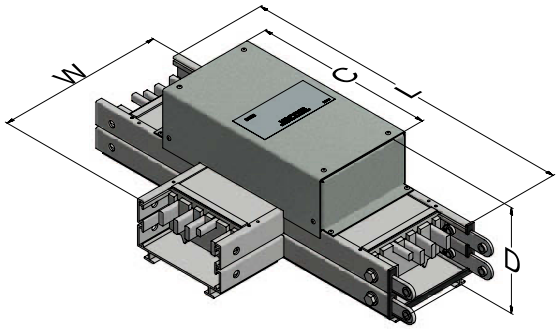
| Alu | |
|---|---|
| 250 A | 650 mm x 350 mm |




### MP Cu & Alu, Flat Tee

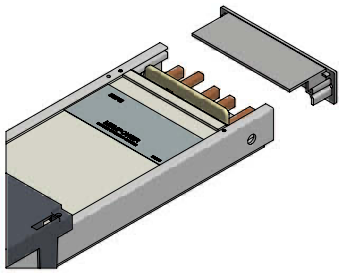
| Alu | Dim C | Dim D | Dim L | Dim W |
|---|---|---|---|---|
| 160 A | - | 50 mm | 350 mm | 250 mm |
| 250 A | 275 mm | 160 mm | 500 mm | 250 mm |
| 400 A | 275 mm | 160 mm | 500 mm | 250 mm |
| 630 A | 610 mm | 145 +(55) mm | 1180 mm | 815 +(80) mm |

| Cu | Dim C | Dim D | Dim L | Dim W |
|---|---|---|---|---|
| 125 A | - | 50 mm | 350 mm | 250 mm |
| 160 A | - | 50 mm | 350 mm | 250 mm |
| 250 A | - | 50 mm | 350 mm | 250 mm |
| 400 A | 275 mm | 160 mm | 500 mm | 250 mm |
| 630 A | 275 mm | 160 mm | 500 mm | 250 mm |
| 800 A | 610 mm | 145 +(55) mm | 1180 mm | 815 +(80) mm |



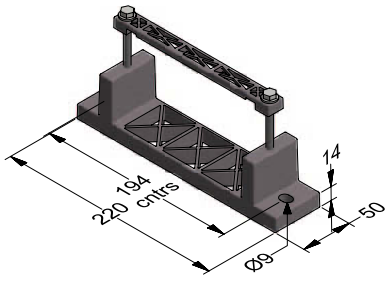

### MP Cu & Alu, End Cover

All ratings



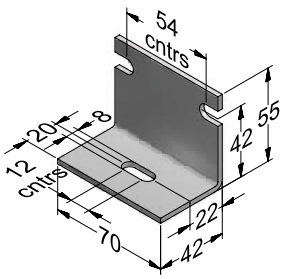
### MP Cu & Alu, Universal Fixing Bracket

All ratings



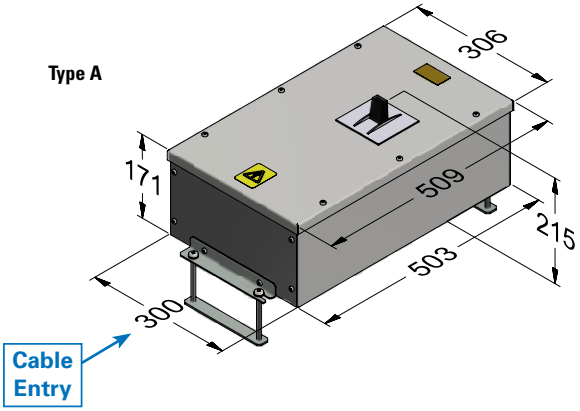

### MP Cu & Alu, Riser Fixing Bracket

All ratings

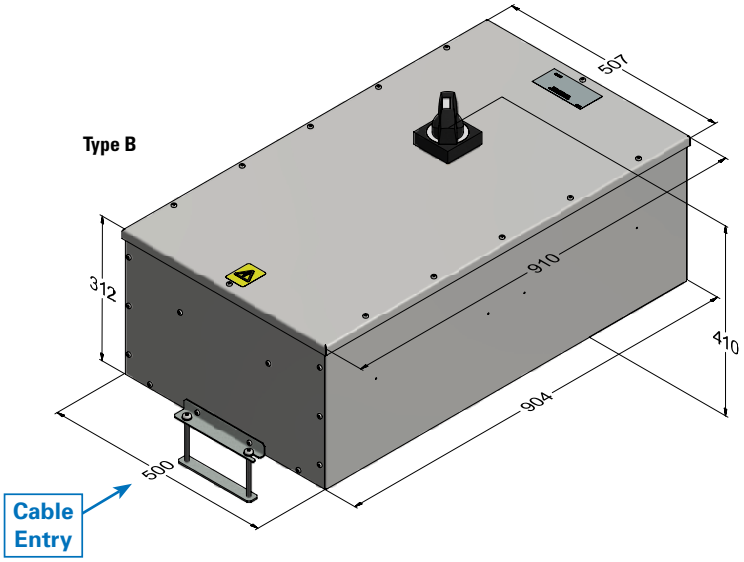


**MP range 125 - 800 A, tap-off units, dimensional drawings**

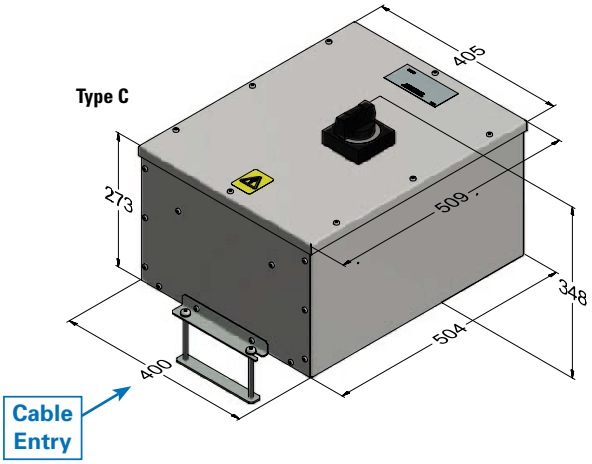
Type A



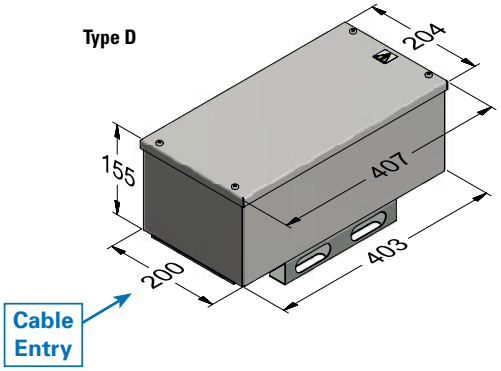

Type B



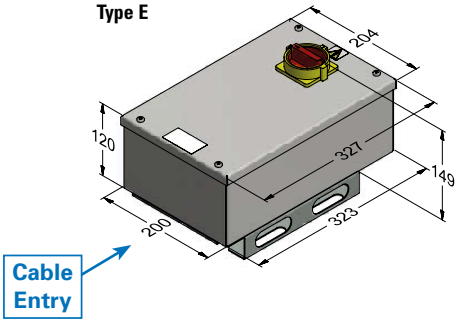

Type C



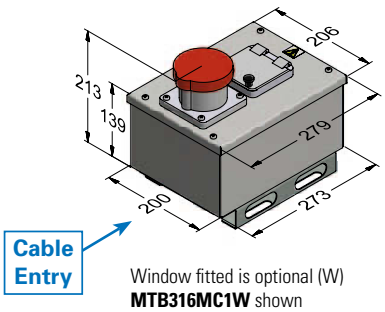

Type D




Type E




Type F




Window fitted is optional (W)
**MTB316MC1W** shown

### MP aluminium busbar rated values 160 - 630 A

| Description | | 160 A | 250 A | 400 A | 630 A |
|---|---|---|---|---|---|
| Standards | | BSEN 61439-6, EN 61439-6, IEC 61439-6 | | | |
| Rated current | | 160 A | 250 A | 400 A | 630 A |
| This is the maximum current per pole. Single-phase tap-off units must be evenly distributed across the poles so as not to exceed the current rating in one pole or the neutral. | | | | | |
| Rated insulation voltage (Ui) | | 690 Vac | 690 Vac | 690 Vac | 690 Vac |
| This is a.c. voltage that the trunking system is designed for and is the maximum 3-phase voltage that trunking system is designed to operate at, in service. | | | | | |
| Rated frequency | | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| Phase resistance R20 [Ω/m] | | 0.000467 | 0.000238 | 0.000127 | 0.000099 |
| This is the resistance R20 (at 20°C) of the conductor of each phase pole and the neutral and is used in the calculation of fault current, earth-loop impedance and voltage drop. | | | | | |
| Phase resistance R [Ω/m] | | 0.000616 | 0.000312 | 0.000172 | 0.000145 |
| This is the resistance R at full-load operating temperature (at an ambient air temperature of 35°C) of the conductor of each phase pole and the neutral and is used in the calculation of earth-loop impedance where required by wiring regulations. | | | | | |
| Phase reactance 50 Hz [Ω/m] | | 0.000159 | 0.000128 | 0.000090 | 0.000082 |
| This is the inductive reactance X of each phase pole and the neutral and is used in the calculation of fault current, volt-drop and circuit impedance. | | | | | |
| Volt-drop [V/A/m] | | | | | |
| – Unity pf | | 0.0010669 | 0.0005404 | 0.0002979 | 0.0002511 |
| – 0.9 pf | | 0.0010803 | 0.0005830 | 0.0003361 | 0.0002879 |
| – 0.8 pf | | 0.0010188 | 0.0005653 | 0.0003319 | 0.0002861 |
| – 0.7 pf | | 0.0009435 | 0.0005366 | 0.0003199 | 0.0002772 |
| This figure allows an estimate to be made of the voltage drop along a run. This is the phase-to-phase voltage drop per ampere of load, along a 1 m run without tap-offs. When loaded with tap-off units evenly distributed along the run the figures are multiplied by 0.55. Note that it is advisable to check the actual voltage drop on the completed installation. | | | | | |
| Overload current protection | | | | | |
| Rated current of fuses or circuit breaker (A) | | 160 | 250 | 400 | 630 |
| Fault current protection (S/C) | | | | | |
| – 3 Phase fused short circuit current Icf [kA] | | 80 | 80 | 80 | 80 |
| – 3 Phase 1-second short-time withstand current Icw [kA] | | 8.6 | 11.5 | 16.5 | 21.5 |
| – 3 Phase Peak current withstand [kA] | | 14.6 | 23 | 33 | 43 |
| – 1 Phase fused short circuit current Icf Ph-N & Ph-E [kA] | | 48 | 48 | 48 | 48 |
| – 1 Phase 1-second short-time withstand current Icw [kA] | | 5,2 | 6,9 | 9,9 | 12,9 |
| – 1 Phase Peak current withstand [kA] | | 8,8 | 11,7 | 16,8 | 25,8 |
| The short-time current and time together with the peak withstand current allow determination of circuit-breaker characteristics required for S/C protection. | | | | | |
| Weight of trunking (TPN + E + Case earth + joint) [Kg/m] | | 4.4 | 6.4 | 8.3 | 9.2 |
| Degree of protection to BSEN 60529 | | IP4X or IP54 | | | |
| Trunking Size W x D [mm]: | a) trunking | 142 x 48 | 142 x 82 | 142 x 82 | 142 x 82 |
| | b) overall including joint covers | 148 x 67 | 148 x 101 | 148 x 101 | 148 x 101 |

### MP copper busbar rated values 125 - 800 A

| Description | | 125 A | 160 A | 250 A | 400 A | 630 A | 800 A |
|---|---|---|---|---|---|---|---|
| Standards | | BSEN 60439-2, EN 60439-2, IEC 60439-2 | | | | | |
| Rated current | | 125 A | 160 A | 250 A | 400 A | 630 A | 800 A |
| This is the maximum current per pole. Single-phase tap-off units must be evenly distributed across the poles so as not to exceed the current rating in one pole or the neutral. | | | | | | | |
| Rated insulation voltage (Ui) | | 690 Vac | 690 Vac | 690 Vac | 690 Vac | 690 Vac | 690 Vac |
| This is a.c. voltage that the trunking system is designed for and is the maximum 3-phase voltage that trunking system is designed to operate at in service. | | | | | | | |
| Rated frequency | | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| Phase resistance R20 [Ω/m] | | 0.00079 | 0.00038 | 0.00027 | 0.00014 | 0.0000713 | 0.0000596 |
| This is the resistance R20 (at 20°C) of the conductor of each phase pole and the neutral and is used in the calculation of fault current, earth-loop impedance and voltage drop. | | | | | | | |
| Phase resistance Rt [Ω/m] | | 0.000799 | 0.000468 | 0.00036 | 0.000195 | 0.00011 | 0.000088 |
| This is the resistance Rt at full-load operating temperature of the conductor of each phase pole and the neutral and is used in the calculation of earth-loop impedance where required by wiring regulations. | | | | | | | |
| Phase reactance 50 Hz [Ω/m] | | 0.000185 | 0.000159 | 0.000148 | 0.000127 | 0.0000937 | 0.000082 |
| This is the inductive reactance X of each phase pole and the neutral and is used in the calculation of fault current, volt-drop and circuit impedance | | | | | | | |
| PE resistance (at 20°C) | | | | | | | |
| Internal Copper bar [Ω/m] | | 0.00079 | 0.00079 | 0.00038 | 0.00027 | 0.00014 | 0.0000713 |
| The PE resistance and reactance are used in the calculation of the fault level to earth. | | | | | | | |
| Fault-loop resistance of Phase to N [Ω/m] | | 0.00257 | 0.00149 | 0.00102 | 0.00051 | 0.00029 | 0.00025 |
| Fault-loop reactance of Phase to N [Ω/m] | | 0.00065 | 0.00049 | 0.00044 | 0.00034 | 0.00021 | 0.00020 |
| Fault-loop resistance of Phase to case PE [Ω/m] | | 0.00258 | 0.00231 | 0.00136 | 0.00090 | 0.00050 | 0.00031 |
| Fault-loop reactance of Phase to case PE [Ω/m] | | 0.00065 | 0.00058 | 0.00049 | 0.00051 | 0.00034 | 0.00025 |
| These fault-loop values permit calculations of short circuit and fault currents in every point of an electrical installation including the busbar trunking system. | | | | | | | |
| Volt-drop [V/A/m] | | | | | | | |
| – Unity pf | | 0.0013839 | 0.0008106 | 0.0006235 | 0.0003377 | 0.0001905 | 0.0001524 |
| – 0.9 pf | | 0.0013852 | 0.0008496 | 0.0006729 | 0.0003999 | 0.0002422 | 0.0001991 |
| – 0.8 pf | | 0.0012994 | 0.0008137 | 0.0006526 | 0.0004022 | 0.0002498 | 0.0002072 |
| – 0.7 pf | | 0.0011976 | 0.0007641 | 0.0006195 | 0.0003935 | 0.0002493 | 0.0002081 |
| This figure allows an estimate to be made of the voltage drop along a run. This is the phase-to-phase voltage drop per ampere of load, along a 1 m run without tap-offs. When loaded with tap-off units evenly distributed along the run the figures are multiplied by 0.55. Note that it is advisable to check the actual voltage drop on the completed installation. | | | | | | | |
| Overload current protection | | | | | | | |
| Rated current of fuses or circuit breaker (A) | | 125 | 160 | 250 | 400 | 630 | 800 |
| Fault current protection (S/C) | | | | | | | |
| – Rated fused short circuit current Icf [kA] | | 80 | 80 | 80 | 80 | 80 | 80 |
| – Rated 1-second short-time withstand current Icw [kA] | | 5.1 | 8.6 | 11.5 | 16.5 | 21.5 | 25 |
| – Peak current withstand [kA] | | 8.7 | 14.6 | 23 | 35 | 45.1 | 52.5 |
| The short-time current and time together with the peak withstand current allow determination of circuit-breaker characteristics required for S/C protection. | | | | | | | |
| Weight of trunking [Kg/m] | | | | | | | |
| 4-bar distribution (TP&N + case earth + joint) | | 4.4 | 5.0 | 6.0 | 9.3 | 14.0 | 20.0 |
| Degree of protection to BSEN 60529 | | IP4X or IP54 | | | | | |
| Trunking Size W x D [mm]: | a) trunking | 142 x 48 | 142 x 48 | 142 x 48 | 142 x 82 | 142 x 82 | 142 x 82 |
| | b) overall including joint covers | 148 x 67 | 148 x 67 | 148 x 67 | 148 x 101 | 148 x 101 | 148 x 101 |

### XP Aluminium busbar rated values 800 - 4000 A

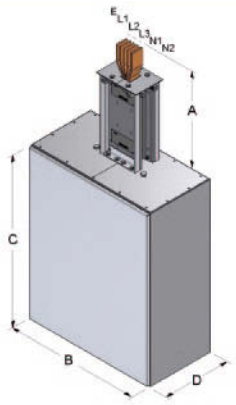
| Description | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A | 4000 A |
|---|---|---|---|---|---|---|---|---|
| Standards | BSEN 61439-6, EN 61439-6, IEC 61439-6 | | | | | | | |
| Rated current | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A | 4000 A |
| This is the maximum current per pole. Single-phase tap-off units must be evenly distributed across the poles so as not to exceed the current rating in one pole or the neutral. | | | | | | | | |
| Rated insulation voltage (Ui) | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac |
| This is a.c. voltage that the trunking system is designed for and is the maximum 3-phase voltage that trunking system is designed to operate at in service. | | | | | | | | |
| Rated frequency | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| Impulse withstand voltage | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV |
| Phase resistance R20 [Ω/m] | 0,0000857 | 0,000061 | 0,0000463 | 0,0000353 | 0,0000288 | 0,0000227 | 0,0000202 | 0,0000136 |
| This is the resistance R20 (at 20°C) of the conductor of each phase pole and the neutral and is used in the calculation of fault current, earth-loop impedance and voltage drop. | | | | | | | | |
| Phase resistance R [Ω/m] | 0,000115 | 0,0000814 | 0,0000615 | 0,0000489 | 0,0000397 | 0,0000324 | 0,0000277 | 0,000019 |
| This is the resistance R at full-load operating temperature (at an ambient air temperature of 35°C) of the conductor of each phase pole and the neutral and is used in the calculation of earth-loop impedance where required by wiring regulations. | | | | | | | | |
| Phase reactance 50 Hz [Ωv/m] | 0,0000259 | 0,0000179 | 0,0000147 | 0,0000097 | 0,0000083 | 0,000005 | 0,0000041 | 0,0000034 |
| This is the inductive reactance X of each phase pole and the neutral and is used in the calculation of fault current, volt-drop and circuit impedance. | | | | | | | | |
| PE resistance (at 20°C) Internal Aluminium bar [Ω/m] | 0,0000857 | 0,000061 | 0,0000463 | 0,0000353 | 0,0000288 | 0,0000227 | 0,0000202 | 0,0000136 |
| PE resistance (at 20°C) Aluminium case [Ω/m] | 0,0001458 | 0,0001452 | 0,0001447 | 0,0001442 | 0,0001437 | 0,0001430 | 0,0001424 | 0,0001418 |
| The PE resistance and reactance are used in the calculation of the fault level to earth. | | | | | | | | |
| Phase Conductor CSA (mm²) | 382 | 562 | 742 | 952 | 1192 | 1484 | 1904 | 2384 |
| Neutral Conductor CSA (mm²) | 382 | 562 | 742 | 952 | 1192 | 1484 | 1904 | 2384 |
| PE Conductor (internal bar) CSA (mm²) | 382 | 562 | 742 | 952 | 1192 | 1484 | 1904 | 2384 |
| PE Conductor (case) CSA (mm²) | 3259 | 3482 | 3705 | 3962 | 4254 | 4729 | 5244 | 5843 |
| Maximum short circuit current 3 phase R20 [Ω/m] | 0,0000857 | 0,0000609 | 0,0000463 | 0,0000353 | 0,0000288 | 0,0000227 | 0,0000202 | 0,0000136 |
| Short circuit reactance 3 phase X [Ω/m] | 0,0000259 | 0,0000179 | 0,0000147 | 0,0000097 | 0,0000083 | 0,0000050 | 0,0000041 | 0,0000034 |
| Maximum short circuit current phase to phase Rb20phph [Ω/m] | 0,0002050 | 0,0001640 | 0,0001260 | 0,0000949 | 0,0000789 | 0,0000559 | 0,0000412 | 0,0000330 |
| Minimum short circuit current phase to phase Rbphph [Ω/m] | 0,0002750 | 0,0002200 | 0,0001710 | 0,0001350 | 0,0001090 | 0,0000798 | 0,0000563 | 0,0000466 |
| Short circuit reactance phase to phase Xbphph [Ω/m] | 0,0000508 | 0,0000265 | 0,0000210 | 0,0000180 | 0,0000165 | 0,0000143 | 0,0000111 | 0,0000086 |
| Maximum short circuit current phase to neutral Rb20phN [Ω/m] | 0,0002060 | 0,0001580 | 0,0001260 | 0,0009480 | 0,0000785 | 0,0000548 | 0,0000427 | 0,0000330 |
| Minimum short circuit current phase to neutral RbphN [Ω/m] | 0,0002760 | 0,0002110 | 0,0001690 | 0,0001300 | 0,0001080 | 0,0000783 | 0,0000620 | 0,0000488 |
| Short circuit reactance phase to neutral XbphN [Ω/m] | 0,0000698 | 0,0000548 | 0,0000415 | 0,0000308 | 0,0000242 | 0,0000177 | 0,0000135 | 0,0000103 |
| Earth fault current phase to CPC (case) RbphPE [Ω/m] | 0,0002230 | 0,0002030 | 0,0001900 | 0,0001750 | 0,0001580 | 0,0001360 | 0,0001130 | 0,0001050 |
| Earth fault reactance phase to CPC (case) XbphPE [Ω/m] | 0,0000964 | 0,0000910 | 0,0000802 | 0,0000738 | 0,0000683 | 0,0000634 | 0,0000578 | 0,0000541 |
| These fault-loop values permit calculations of fault currents according to the method of impedances. | | | | | | | | |
| Volt-drop [V/A/m] | | | | | | | | |
| – Unity pf | 0,000199186 | 0,000140989 | 0,000106521 | 0,000084697 | 0,000068762 | 0,000056118 | 0,000047978 | 0,000032909 |
| – 0.9 pf | 0,000198821 | 0,000140404 | 0,000106967 | 0,000083551 | 0,000068153 | 0,000054282 | 0,000046275 | 0,000032185 |
| – 0.8 pf | 0,000186265 | 0,000131393 | 0,000100494 | 0,000077838 | 0,000063636 | 0,000050091 | 0,000042643 | 0,000029861 |
| – 0.7 pf | 0,000171467 | 0,000120833 | 0,000092748 | 0,000071286 | 0,000058400 | 0,000045468 | 0,000038656 | 0,000027242 |
| This figure allows an estimate to be made of the voltage drop along a run. This is the phase-to-phase voltage drop per ampere of load, along a 1m run without tap-offs. When loaded with tap-off units evenly distributed along the run the figures are multiplied by 0.55. | | | | | | | | |
| Overload current protection | | | | | | | | |
| Rated current of fuses or circuit breaker (A) | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | 4000 |
| Fault current protection (S/C) | | | | | | | | |
| – 3 Phase 1-second short-time withstand current Icw [kA] | 30 | 55 | 70 | 75 | 100 | 100 | 100 | 100 |
| – 3 Phase peak current withstand [kA] | 63 | 121 | 154 | 165 | 220 | 220 | 220 | 220 |
| – 1 Phase 1-second short-time withstand current Icw Ph-N & Ph-E [kA] | 18 | 33 | 42 | 45 | 60 | 60 | 60 | 60 |
| – 1 Phase peak current withstand Ph-N & Ph-E [kA] | 36 | 69 | 88 | 95 | 132 | 132 | 132 | 132 |
| The short-time current and time together with the peak withstand current allow determination of circuit-breaker characteristics required for S/C protection. | | | | | | | | |
| Weight of trunking [Kg/m] | | | | | | | | |
| 4-bar distribution (TP&N + case earth + joint) | 17.6 | 20.3 | 22.6 | 27.5 | 31.0 | 35.9 | 45.1 | 52.5 |
| Degree of protection to BSEN 60529 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 |
| Mechanical Impact | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 |
| Trunking Size W x D [mm]: a) trunking | 175 x 140 | 175 x 170 | 175 x 200 | 175 x 235 | 175 x 275 | 175 x 340 | 175 x 410 | 175 x 490 |
| b) overall including joint covers | 226 x 173 | 226 x 203 | 226 x 233 | 226 x 268 | 226 x 308 | 226 x 373 | 226 x 443 | 226 x 523 |

### XP Copper busbar rated values 800 - 6300 A

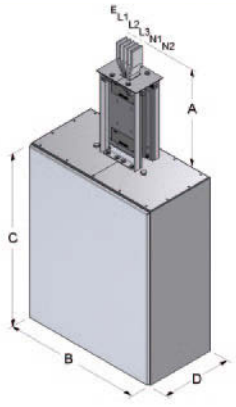
| Description | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A | 4000 A | 5000 A | 6300 A |
|---|---|---|---|---|---|---|---|---|---|---|
| Standards | BSEN 61439-6, EN 61439-6, IEC 61439-6 | | | | | | | | | |
| Rated current | 800 A | 1000 A | 1250 A | 1600 A | 2000 A | 2500 A | 3200 A | 4000 A | 5000 A | 6300 A |
| This is the maximum current per pole. Single-phase tap-off units must be evenly distributed across the poles so as not to exceed the current rating in one pole or the neutral. | | | | | | | | | | |
| Rated insulation voltage (Ui) | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac | 1000 Vac |
| This is a.c. voltage that the trunking system is designed for and is the maximum 3-phase voltage that trunking system is designed to operate at in service. | | | | | | | | | | |
| Rated frequency | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz | 50 Hz |
| Impulse withstand voltage | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV | 8 kV |
| Phase resistance R20 [Ω/m] | 0,0000586 | 0,0000440 | 0,0000358 | 0,0000241 | 0,0000180 | 0,0000145 | 0,0000127 | 0,0000093 | 0,0000072 | 0,0000049 |
| This is the resistance R20 (at 20°C) of the conductor of each phase pole and the neutral and is used in the calculation of fault current, earth-loop impedance and voltage drop. | | | | | | | | | | |
| Phase resistance R [Ω/m] | 0,0000748 | 0,0000583 | 0,0000479 | 0,0000302 | 0,0000238 | 0,0000187 | 0,0000166 | 0,0000133 | 0,0000097 | 0,0000064 |
| This is the resistance R at full-load operating temperature (at an ambient air temperature of 35°C) of the conductor of each phase pole and the neutral and is used in the calculation of earth-loop impedance where required by wiring regulations. | | | | | | | | | | |
| Phase reactance 50 Hz [Ω/m] | 0,0000213 | 0,0000169 | 0,0000137 | 0,0000117 | 0,0000090 | 0,0000072 | 0,0000031 | 0,0000052 | 0,0000041 | 0,0000027 |
| This is the inductive reactance X of each phase pole and the neutral and is used in the calculation of fault current, volt-drop and circuit impedance. | | | | | | | | | | |
| PE resistance 1 (at 20°C) Internal Copper bar [Ω/m] | 0,0000586 | 0,0000440 | 0,0000358 | 0,0000241 | 0,0000180 | 0,0000145 | 0,0000127 | 0,0000093 | 0,0000072 | 0,0000049 |
| PE resistance 2 (at 20°C) Aluminium case [Ω/m] | 0,0001462 | 0,0001458 | 0,0001456 | 0,0001447 | 0,0001442 | 0,0001437 | 0,0001430 | 0,0001424 | 0,0001418 | 0,0001404 |
| The PE resistance and reactance are used in the calculation of the fault level to earth. | | | | | | | | | | |
| Phase Conductor CSA (mm²) | 292 | 382 | 472 | 742 | 952 | 1192 | 1484 | 1904 | 2384 | 3576 |
| Neutral Conductor CSA (mm²) | 292 | 382 | 472 | 742 | 952 | 1192 | 1484 | 1904 | 2384 | 3576 |
| PE Conductor (internal bar) CSA (mm²) | 292 | 382 | 472 | 742 | 952 | 1192 | 1484 | 1904 | 2384 | 3576 |
| PE Conductor (case) CSA (mm²) | 3140 | 3259 | 3363 | 3705 | 3962 | 4254 | 4729 | 5244 | 5843 | 8026 |
| Maximum short circuit current 3 phase R20 [Ω/m] | 0,00005860 | 0,00004400 | 0,00003580 | 0,00002410 | 0,00001800 | 0,00001450 | 0,00001270 | 0,00000930 | 0,00000720 | 0,00000490 |
| Short circuit reactance 3 phase X [Ω/m] | 0,00002130 | 0,00001690 | 0,00001370 | 0,00001170 | 0,00000900 | 0,00000720 | 0,00000310 | 0,00000520 | 0,00000410 | 0,00000270 |
| Maximum short circuit current phase to phase Rb20phph [Ω/m] | 0,00012700 | 0,00010500 | 0,00008000 | 0,00006000 | 0,00004500 | 0,00003240 | 0,00002570 | 0,00002000 | 0,00001580 | 0,00000742 |
| Minimum short circuit current phase to phase Rbphph [Ω/m] | 0,00016800 | 0,00013700 | 0,00010300 | 0,00007500 | 0,00005640 | 0,00004330 | 0,00003310 | 0,00002600 | 0,00002100 | 0,00000953 |
| Short circuit reactance phase to phase Xbphph [Ω/m] | 0,00051500 | 0,00004470 | 0,00003520 | 0,00002710 | 0,00002130 | 0,00001750 | 0,00001480 | 0,00001080 | 0,00000928 | 0,00004690 |
| Maximum short circuit current phase to neutral Rb20phN [Ω/m] | 0,00013400 | 0,00010800 | 0,00008200 | 0,00006020 | 0,00004550 | 0,00003410 | 0,00002740 | 0,00002160 | 0,00001720 | 0,00000804 |
| Minimum short circuit current phase to neutral RbphN [Ω/m] | 0,00017700 | 0,00014400 | 0,00010800 | 0,00007930 | 0,00005990 | 0,00004550 | 0,00003520 | 0,00002800 | 0,00002290 | 0,00001030 |
| Short circuit reactance phase to neutral XbphN [Ω/m] | 0,00007340 | 0,00006200 | 0,00004930 | 0,00003820 | 0,00003030 | 0,00002360 | 0,00002110 | 0,00001580 | 0,00001320 | 0,00000737 |
| Earth fault current phase to CPC (case) RbphPE [Ω/m] | 0,00020300 | 0,00017300 | 0,00014900 | 0,00012600 | 0,00010800 | 0,00009230 | 0,00007790 | 0,00006880 | 0,00005730 | 0,00004900 |
| Earth fault reactance phase to CPC (case) XbphPE [Ω/m] | 0,00010700 | 0,00009160 | 0,00008070 | 0,00007010 | 0,00005980 | 0,00005050 | 0,00004240 | 0,00003800 | 0,00003680 | 0,00003500 |
| These fault-loop values permit calculations of fault currents according to the method of impedances. | | | | | | | | | | |
| Volt-drop [V/A/m] | | | | | | | | | | |
| – Unity pf | 0,0001296 | 0,0001010 | 0,0000830 | 0,0000523 | 0,0000412 | 0,0000324 | 0,0000288 | 0,0000230 | 0,0000168 | 0,0000111 |
| – 0.9 pf | 0,0001327 | 0,0001036 | 0,0000850 | 0,0000559 | 0,0000439 | 0,0000346 | 0,0000282 | 0,0000247 | 0,0000182 | 0,0000120 |
| – 0.8 pf | 0,0001258 | 0,0000983 | 0,0000806 | 0,0000540 | 0,0000423 | 0,0000334 | 0,0000262 | 0,0000238 | 0,0000177 | 0,0000117 |
| – 0.7 pf | 0,0001170 | 0,0000916 | 0,0000750 | 0,0000511 | 0,0000400 | 0,0000316 | 0,0000240 | 0,0000226 | 0,0000168 | 0,0000111 |
| This figure allows an estimate to be made of the voltage drop along a run. This is the phase-to-phase voltage drop per ampere of load, along a 1m run without tap-offs. When loaded with tap-off units evenly distributed along the run the figures are multiplied by 0.55. | | | | | | | | | | |
| Overload current protection | | | | | | | | | | |
| Rated current of fuses or circuit breaker (A) | 800 | 1000 | 1250 | 1600 | 2000 | 2500 | 3200 | 4000 | 5000 | 6300 |
| Fault current protection (S/C) | | | | | | | | | | |
| – 3 Phase 1-second short-time withstand current Icw [kA] | 40 | 55 | 70 | 90 | 100 | 100 | 100 | 100 | 100 | 100 |
| – 3 Phase peak current withstand [kA] | 84 | 116 | 154 | 198 | 220 | 220 | 220 | 220 | 220 | 220 |
| – 1 Phase 1-second short-time withstand current Icw Ph-N & Ph-E [kA] | 24 | 33 | 42 | 54 | 60 | 60 | 60 | 60 | 60 | 60 |
| – 1 Phase peak current withstand Ph-N & Ph-E [kA] | 50 | 69 | 88 | 119 | 132 | 132 | 132 | 132 | 132 | 132 |
| The short-time current and time together with the peak withstand current allow determination of circuit-breaker characteristics required for S/C protection. | | | | | | | | | | |
| Weight of trunking [Kg/m] | | | | | | | | | | |
| 4-bar distribution (TP&N + case earth + joint) | 23.9 | 27.1 | 30.7 | 43.4 | 50.8 | 61.7 | 74.3 | 92.0 | 111.7 | 176.9 |
| Degree of protection to BSEN 60529 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 | IP55 |
| Mechanical Impact | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 | IK08 |
| Trunking Size W x D [mm]: a) trunking* | 175 x 125 | 175 x 140 | 175 x 155 | 175 x 200 | 175 x 235 | 175 x 275 | 175 x 340 | 175 x 410 | 175 x 490 | 175 x 701 |
| b) overall including joint covers* | 226 x 158 | 226 x 173 | 226 x 188 | 226 x 233 | 226 x 268 | 226 x 308 | 226 x 373 | 226 x 443 | 226 x 523 | 226 x 734 |

## End feed unit dimensions

| Copper end feed | Aluminium end feed | Dim A (Std) | Dim B (Std) | Dim C (Std) | Dim D (Std) |
|---|---|---|---|---|---|
| 800 A | 800 A | 500 mm | 600 mm | 750 mm | 300 mm |
| 1000 A | 1000 A | 500 mm | 600 mm | 750 mm | 300 mm |
| 1250 A | 1250 A | 500 mm | 600 mm | 750 mm | 300 mm |
| 1600 A | 1600 A | 500 mm | 600 mm | 750 mm | 300 mm |
| 2000 A | 2000 A | 500 mm | 600 mm | 750 mm | 300 mm |
| 2500 A | NA | 500 mm | 600 mm | 750 mm | 300 mm |



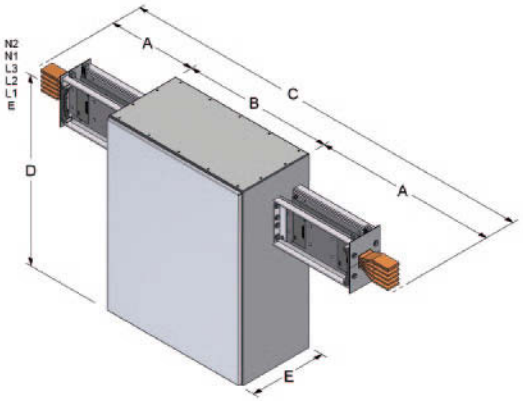

Copper 800 - 2500 A



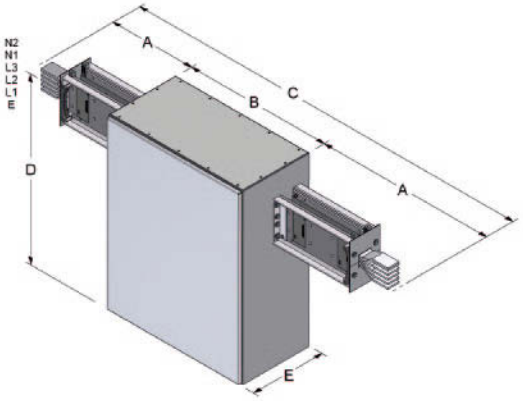

Aluminium 800 - 2000 A

## Centre feed unit dimensions

| Copper end feed | Aluminium end feed | Dim A (Std) | Dim B (Std) | Dim C (Std) | Dim D (Std) | Dim E (Std) |
|---|---|---|---|---|---|---|
| 800 A | 800 A | 500 mm | tbc | B+A+A | tbc | tbc |
| 1000 A | 1000 A | 500 mm | tbc | B+A+A | tbc | tbc |
| 1250 A | 1250 A | 500 mm | tbc | B+A+A | tbc | tbc |
| 1600 A | 1600 A | 500 mm | tbc | B+A+A | tbc | tbc |
| 2000 A | 2000 A | 500 mm | tbc | B+A+A | tbc | tbc |
| 2500 A | NA | 500 mm | tbc | B+A+A | tbc | tbc |



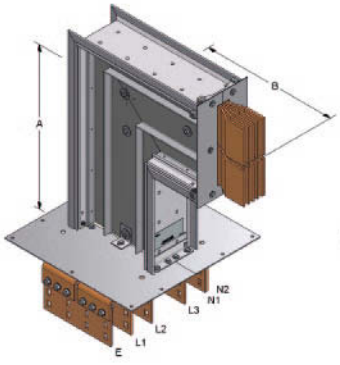

Copper 800 - 2500 A



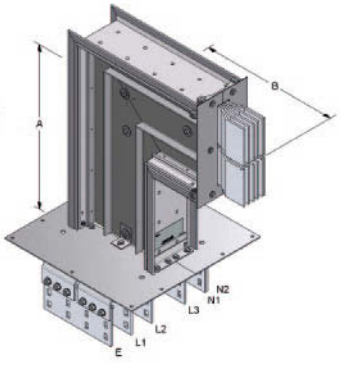

Aluminium 800 - 2000 A

## Edge angle flange unit dimensions

| Copper edge angle flange | Aluminium edge angle flange | Dim A (Std) | Dim B (Min) | Dim B (Std) |
|---|---|---|---|---|
| 800 A | 800 A | 500 mm | 300 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 300 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 300 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 325 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 340 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 360 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 400 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 430 mm | 500 mm |
| 5000 A | NA | 500 mm | 470 mm | 500 mm |
| 6300 A | NA | 750 mm | 650 mm | 750 mm |



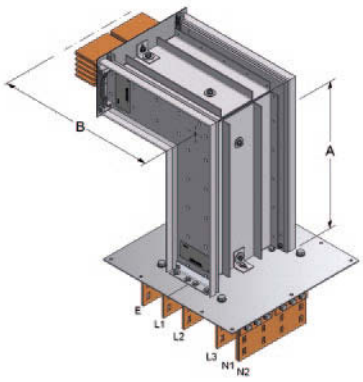

Copper 800 - 6300 A



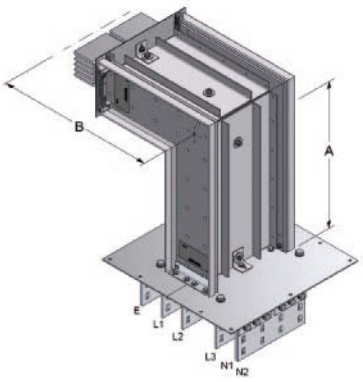

Aluminium 800 - 4000 A

## Flat angle flange unit dimensions

| Copper flat angle flange | Aluminium flat angle flange | Dim A (Std) | Dim B (Min) | Dim B (Std) |
|---|---|---|---|---|
| 800 A | 800 A | 500 mm | 340 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 340 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 340 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 340 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 340 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 340 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 340 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 340 mm | 500 mm |
| 5000 A | NA | 500 mm | 340 mm | 500 mm |
| 6300 A | NA | 750 mm | 340 mm | 750 mm |



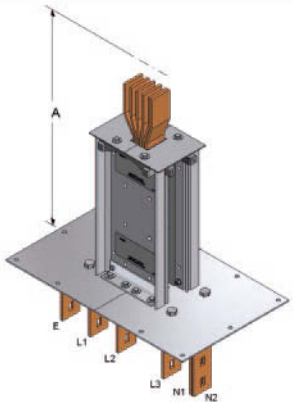
Copper 800 - 6300 A



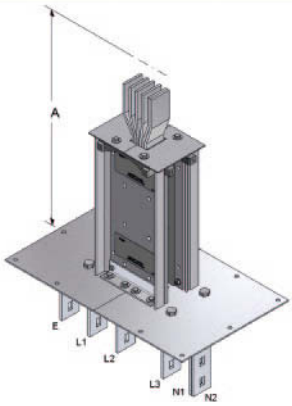
Aluminium 800 - 4000 A

## Flange unit dimensions

| Copper flange | Aluminium flange | Dim A (Std) |
|---|---|---|
| 800 A | 800 A | 500 mm |
| 1000 A | 1000 A | 500 mm |
| 1250 A | 1250 A | 500 mm |
| 1600 A | 1600 A | 500 mm |
| 2000 A | 2000 A | 500 mm |
| 2500 A | 2500 A | 500 mm |
| 3200 A | 3200 A | 500 mm |
| 4000 A | 4000 A | 500 mm |
| 5000 A | NA | 500 mm |
| 6300 A | NA | 500 mm |



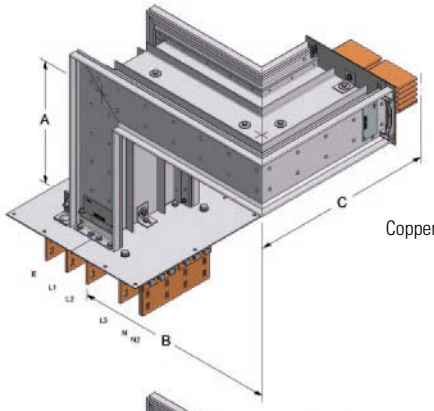
Copper 800 - 6300 A



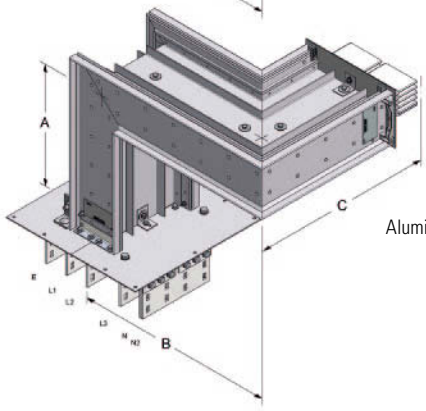
Aluminium 800 - 4000 A

## Combination flange unit dimensions

| Copper combination flange | Aluminium combination flange | Dim A (Std) | Dim B (Std) | Dim C (Std) |
|---|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm | 750 mm |



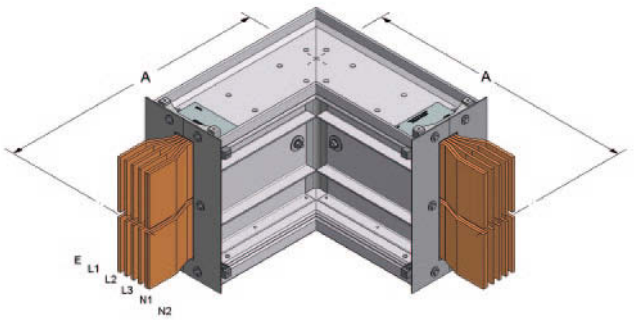
Copper 800 - 6300 A



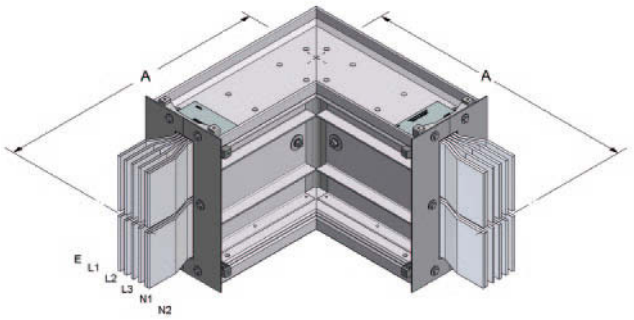
Aluminium 800 - 4000 A

## Flat angle dimensions

| Copper flat angle | Aluminium flat angle | Dim A (Std) | Dim B (Std) |
|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm |



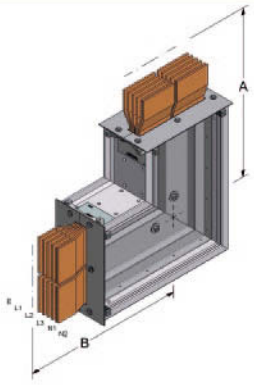

Copper 800 - 6300 A



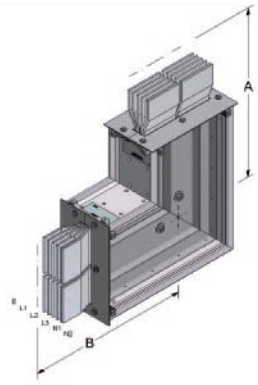

Aluminium 800 - 4000 A

## Edge angle dimensions

| Copper edge angle | Aluminium edge angle | Dim A (Std) | Dim B (Std) |
|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm |



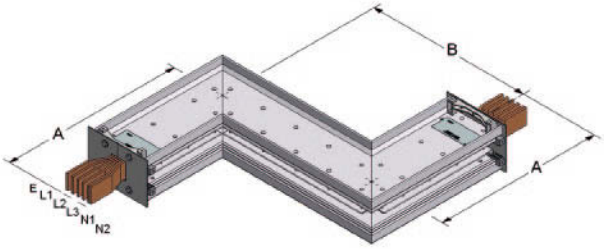

Copper 800 - 6300 A



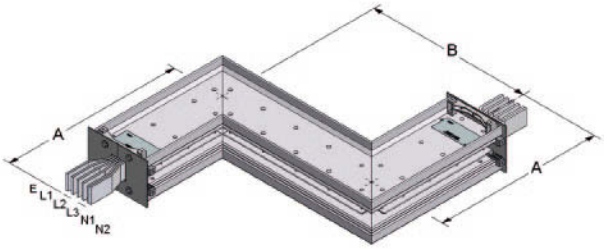

Aluminium 800 - 4000 A

## Flat zed dimensions

| Copper flat zed | Aluminium flat zed | Dim A (Std) | Dim B (Std) |
|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm |



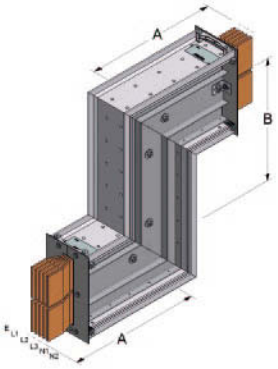

Copper 800 - 6300 A



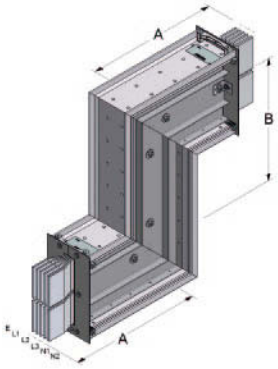

Aluminium 800 - 4000 A

## Edge zed dimensions

| Copper edge zed | Aluminium edge zed | Dim A (Std) | Dim B (Std) |
|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm |



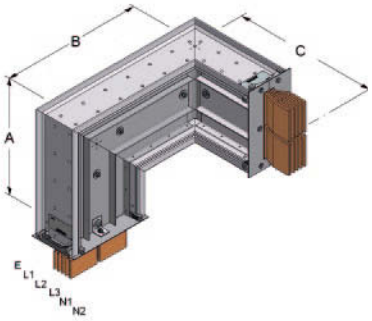

Copper 800 - 6300 A



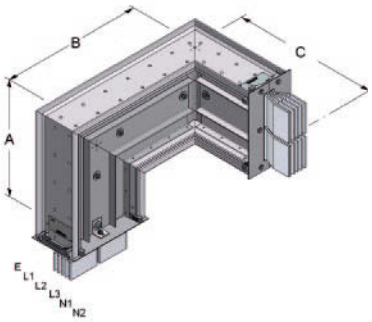

Aluminium 800 - 4000 A

## Combination angle dimensions

| Copper combination angle | Aluminium combination angle | Dim A (Std) | Dim B (Std) | Dim C (Std) |
|---|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm | 750 mm |



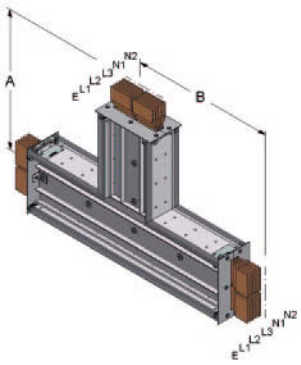

Copper 800 - 6300 A



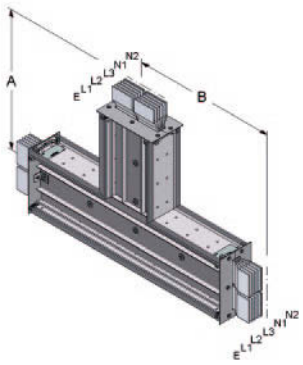

Aluminium 800 - 4000 A

## Edge 'T' dimensions

| Copper edge 'T' | Aluminium edge 'T' | Dim A (Std) | Dim B (Std) |
|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm |



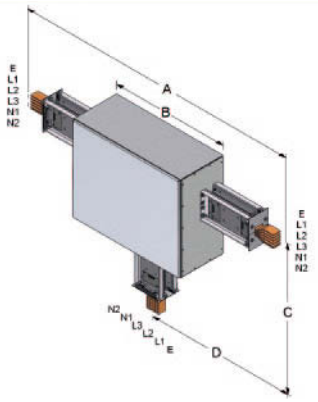

Copper 800 - 6300 A



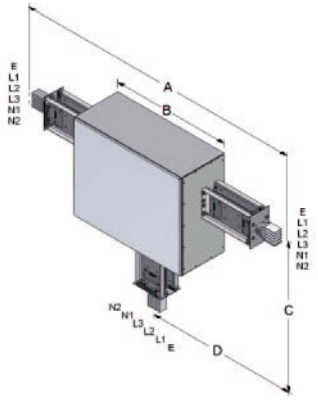

Aluminium 800 - 4000 A

### Flat 'T' dimensions

| Copper flat 'T' | Aluminium flat 'T' | Dim A (Std) | Dim B (Std) | Dim C (Std) |
|---|---|---|---|---|
| 800 A | 800 A | 500 mm | 500 mm | 500 mm |
| 1000 A | 1000 A | 500 mm | 500 mm | 500 mm |
| 1250 A | 1250 A | 500 mm | 500 mm | 500 mm |
| 1600 A | 1600 A | 500 mm | 500 mm | 500 mm |
| 2000 A | 2000 A | 500 mm | 500 mm | 500 mm |
| 2500 A | 2500 A | 500 mm | 500 mm | 500 mm |
| 3200 A | 3200 A | 500 mm | 500 mm | 500 mm |
| 4000 A | 4000 A | 500 mm | 500 mm | 500 mm |
| 5000 A | NA | 500 mm | 500 mm | 500 mm |
| 6300 A | NA | 750 mm | 750 mm | 750 mm |



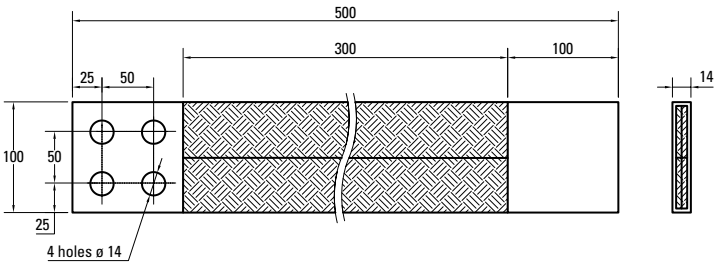
Copper 800 - 6300 A



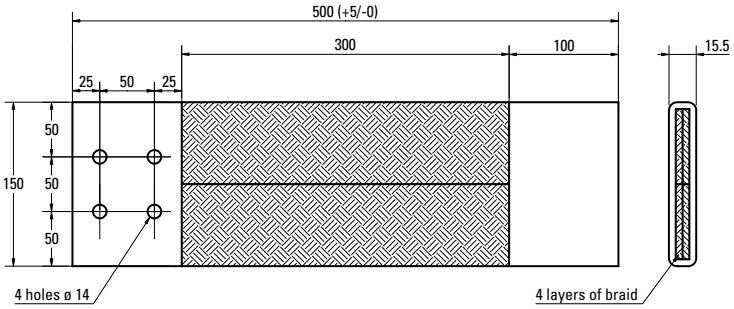
Aluminium 800 - 4000 A

### Transformer Braided Connections dimensions

**PCN1355**



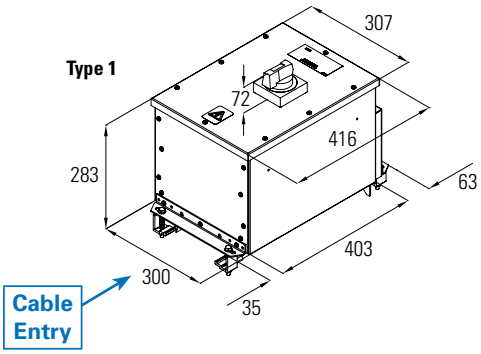

**PCN1356**

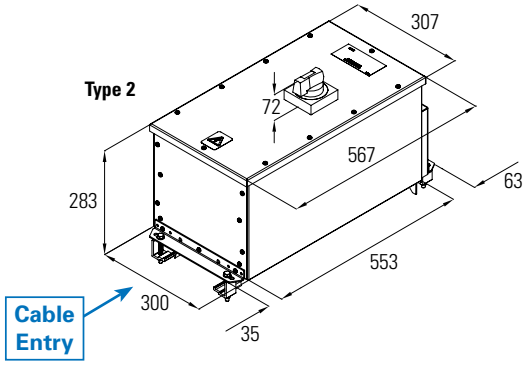


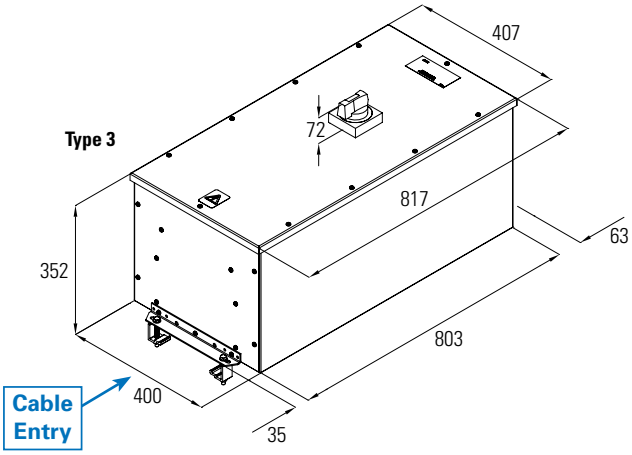
# Technical data XP

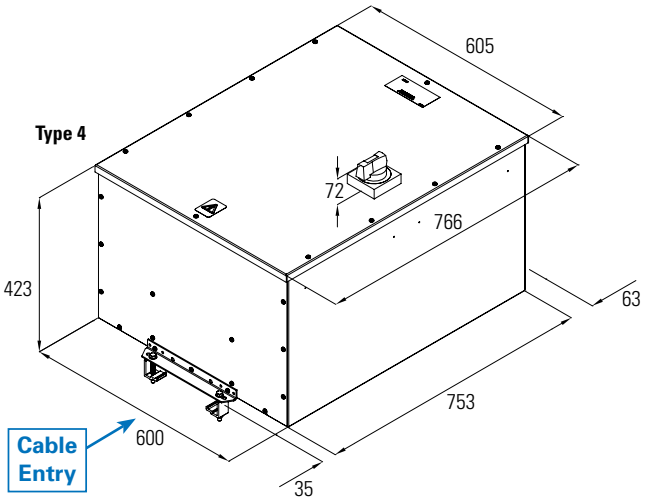
Power Xpert® Busbar technical details

## XP tap-off dimensional drawings



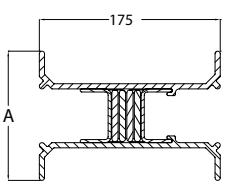



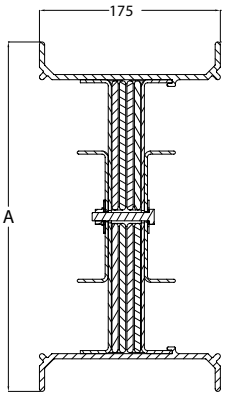




## XP X-sectional dimensions

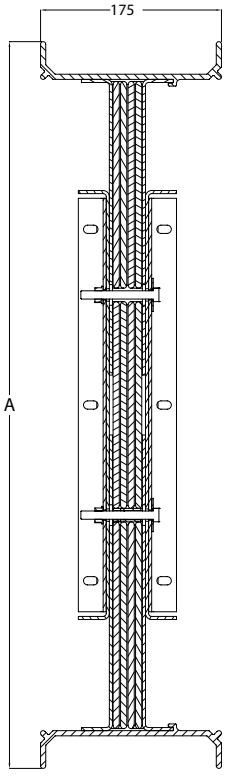
| X-sectional dims | Dim A Cu | Dim A Alu |
|---|---|---|
| 500 A / 800 A | 125 mm | 140 mm |
| 1000 A | 140 mm | 170 mm |
| 1250 A | 155 mm | 200 mm |
| 1600 A | 200 mm | 235 mm |
| 2000 A | 235 mm | 275 mm |
| 2500 A | 275 mm | 340 mm |
| 3200 A | 340 mm | 410 mm |
| 4000 A | 410 mm | 490 mm |
| 5000 A | 490 mm | – |
| 6300 A | 701 mm | – |




Cu 500 - 2500 A
Al 800 - 2000 A

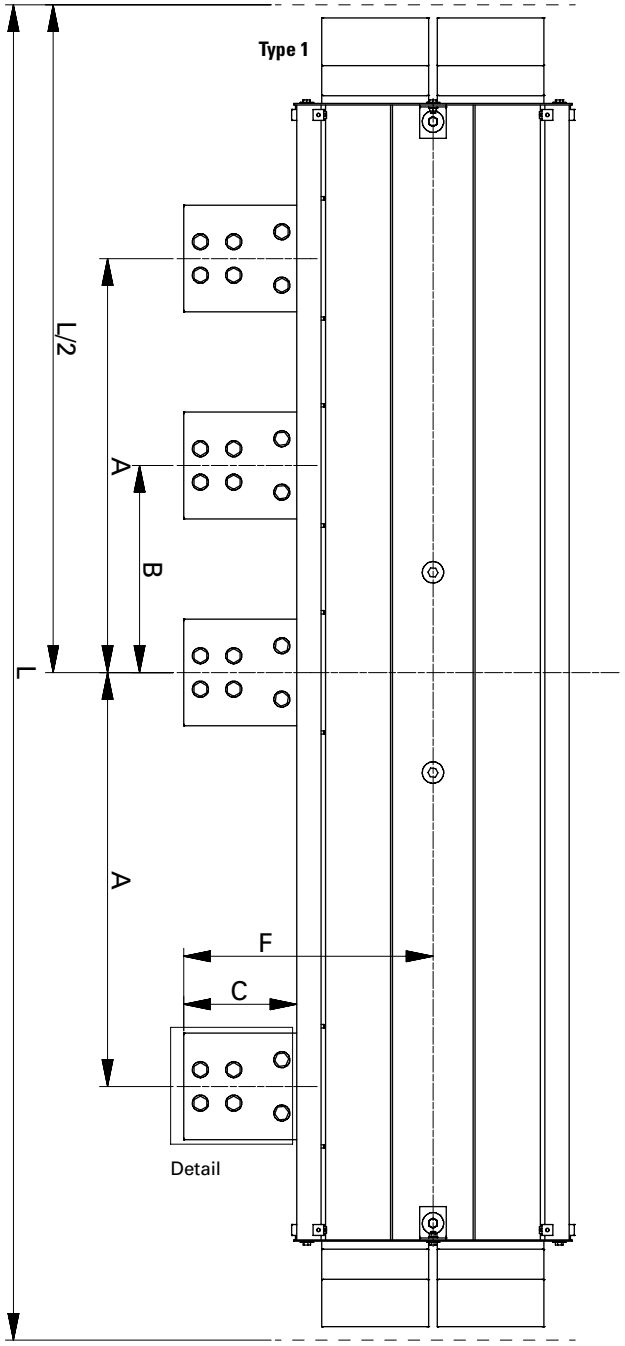


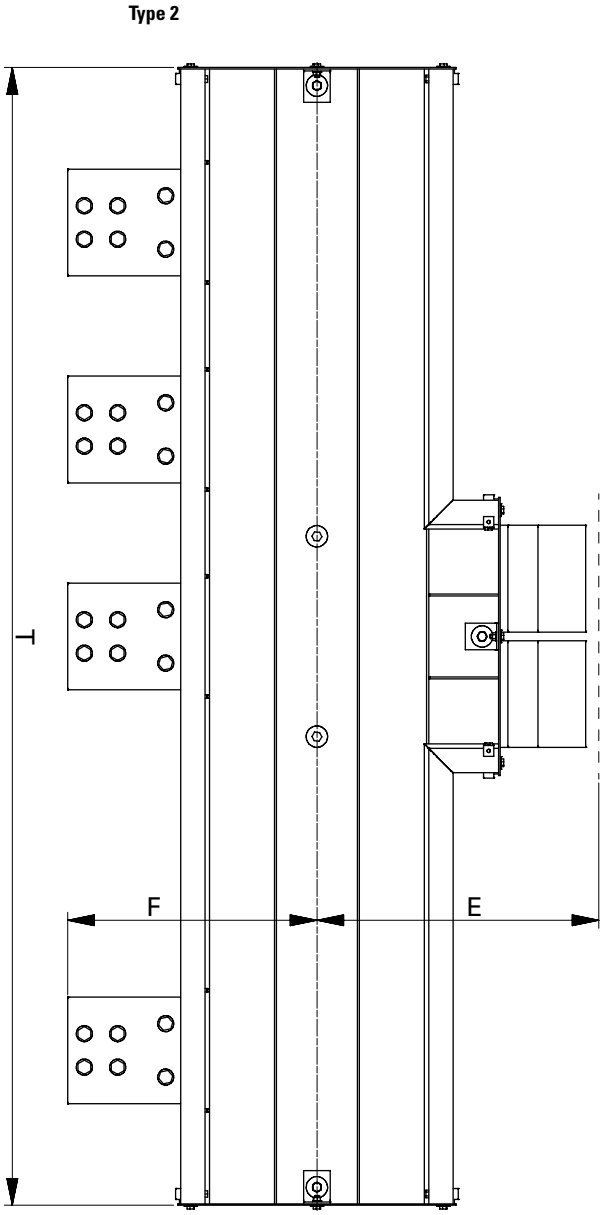

Cu 3200 - 5000 A
Al 2500 - 4000 A



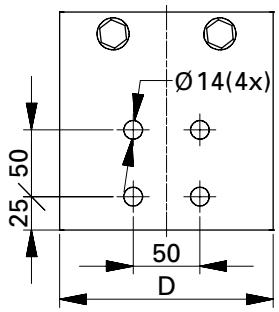

Cu 6300 A

**Type 1 and 2 transformer dimensional drawings**



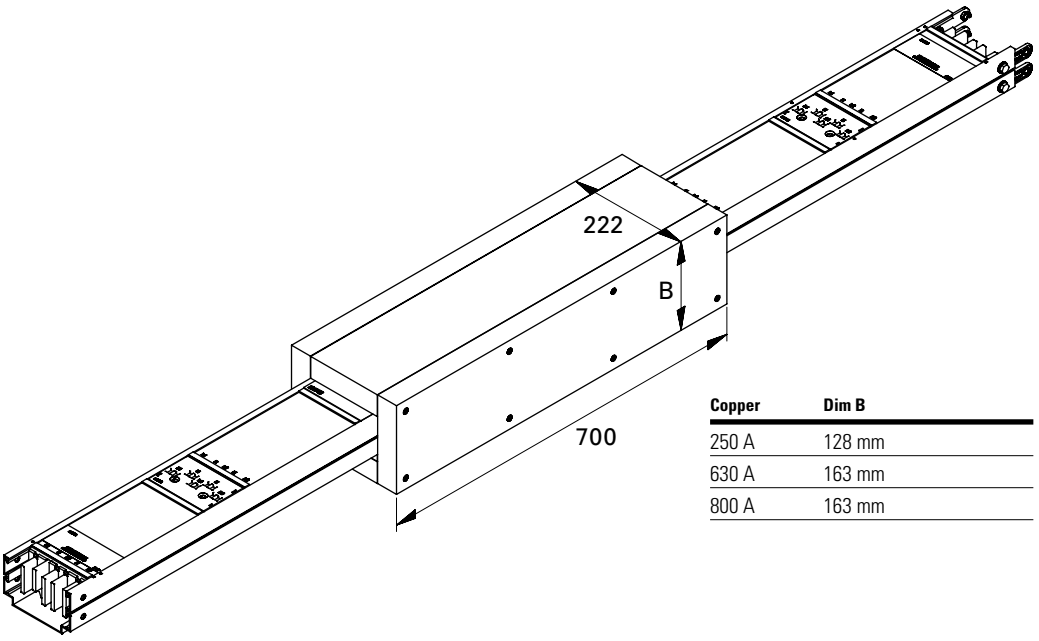




Detail (1:2)



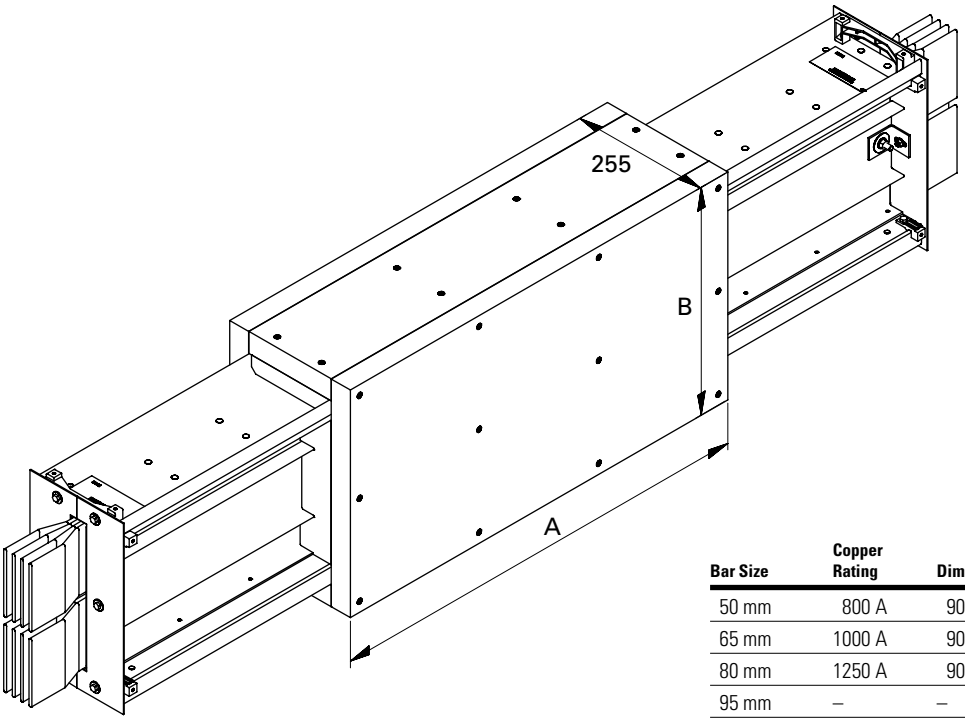

| Rating | Dim L | Dim T | Dim A | Dim B | Dim C | Dim D | Dim E | Dim F |
|---|---|---|---|---|---|---|---|---|
| **Aluminium transformer connection types 1 & 2** | | | | | | | | |
| 800 kVA | 1700 mm | 1404 mm | 495 mm | 250 mm | 140 mm | 95 mm | 400 mm | 240 mm |
| 1000 kVA | 1700 mm | 1404 mm | 530 mm | 260 mm | 140 mm | 95 mm | 418 mm | 257 mm |
| 1250 kVA | 2000 mm | 1704 mm | 560 mm | 280 mm | 170 mm | 125 mm | 438 mm | 307 mm |
| 1600 kVA | 2000 mm | 1704 mm | 600 mm | 300 mm | 170 mm | 125 mm | 469 mm | 339 mm |
| 2000 kVA | 2000 mm | 1704 mm | 620 mm | 310 mm | 170 mm | 160 mm | 504 mm | 374 mm |
| 2500 kVA | 2000 mm | 1704 mm | 660 mm | 330 mm | 170 mm | 200 mm | 544 mm | 414 mm |
| **Copper transformer conection types 1 & 2** | | | | | | | | |
| 800 kVA | 1700 mm | 1404 mm | 495 mm | 250 mm | 140 mm | 80 mm | 378 mm | 217 mm |
| 1000 kVA | 1700 mm | 1404 mm | 530 mm | 260 mm | 140 mm | 80 mm | 400 mm | 240 mm |
| 1250 kVA | 2000 mm | 1704 mm | 560 mm | 280 mm | 170 mm | 125 mm | 418 mm | 287 mm |
| 1600 kVA | 2000 mm | 1704 mm | 600 mm | 300 mm | 170 mm | 125 mm | 438 mm | 307 mm |
| 2000 kVA | 2000 mm | 1704 mm | 620 mm | 310 mm | 170 mm | 125 mm | 469 mm | 339 mm |
| 2500 kVA | 2000 mm | 1704 mm | 660 mm | 330 mm | 170 mm | 160 mm | 504 mm | 374 mm |
| 3150 kVA | 2000 mm | 1704 mm | 680 mm | 340 mm | 170 mm | 200 mm | 544 mm | 414 mm |

### MP fire barrier dimensional drawings




| Copper | Dim B |
|---|---|
| 250 A | 128 mm |
| 630 A | 163 mm |
| 800 A | 163 mm |

### XP fire barrier dimensional drawings




| Bar Size | Copper Rating | Dim A (Cu) | Aluminium Rating | Dim A (Al) | Dim B |
|---|---|---|---|---|---|
| 50 mm | 800 A | 900 mm | – | – | 205 mm |
| 65 mm | 1000 A | 900 mm | 800 A | 800 mm | 220 mm |
| 80 mm | 1250 A | 900 mm | – | – | 235 mm |
| 95 mm | – | – | 1000 A | 800 mm | 250 mm |
| 125 mm | 1600 A | 900 mm | 1250 A | 800 mm | 280 mm |
| 160 mm | 2000 A | 900 mm | 1600 A | 800 mm | 315 mm |
| 200 mm | 2500 A | 900 mm | 2000 A | 800 mm | 355 mm |
| 2 x 125 mm | 3200 A | 1000 mm | 2500 A | 800 mm | 418 mm |
| 2 x 160 mm | 4000 A | 1000 mm | 3200 A | 800 mm | 488 mm |
| 2 x 200 mm | 5000 A | 1000 mm | 4000 A | 800 mm | 568 mm |
| 3 x 200 mm | 6300 A | 1000 mm | – | – | 783 mm |

### LUX range typical specification



The lighting system in ratings of 25 A, 40 A and 63 A is designed and manufactured to comply with IEC 60439-2 and BSEN 60439-2 standards and suitable for use at 400 V 3 phase 50 Hz.

The trunking complies to a degree of protection IP41, as defined in IEC 60529 and BSEN 60439-2 and capable of advanced level of protection to IP55.

The trunking casing is manufactured from extruded aluminium section and be available in 3 metre and 1 metre lengths with tapping outlets every I metre along its length on one side. Jointing of the lengths is by a combined mechanical and electrical rigid jointing piece retained by a spring clip and screw. The casing will provide the protective conductor.

The phases and neutral conductors (4 pole or 6 pole) are copper of a suitable size for given 25 A, 40 A and 63 A ratings and of equal cross-sectional area. They are fully insulated and supported throughout the length of the trunking. The tap-off outlets have protective covers to prevent accidental contact with live conductors.

Fixing brackets are supplied, suitable for suspension or wall mounting of trunking, at given intervals.

#### Tapping units

Tap-off units are plug-in type and provide suitable protection during connection and disconnection. They are supplied either pre-wired or with terminals for direct connection. Fused tap-off units are available, rated 6 A and 16 A.

### LP range typical specification



The Busbar system in ratings from 40 A - 125 A, is designed for use as a power distribution system for both commercial and industrial applications. Current ratings shall be as detailed on the drawings/ schedules and comply to a degree of protection IP4X, as defined in IEC 60529 (BSEN 60529).

Eaton's busbar trunking system is designed and manufactured to comply fully with IEC 60439-2 and BSEN 60439-2 standards and suitable for use in a 400 V, 3 phase, 4 wire, 50 Hz supply. The busbar trunking is DEKRA & ASTA certified and capable of withstanding prospective fault level currents as detailed on the drawings/schedules.

The enclosure is manufactured from shaped extruded aluminium profile with interlocking covers manufactured from A.B.S. plastic, flammability grade UL-94-V-O. The busbar trunking is available in 3 m, 2 m or 1 m lengths with tapping outlets every third of a metre along its length. Each length is complete with mechanical coupling and spring loaded electrical contracts to provide a quality joint automatically.

The conductor bars are square or rectangular hard drawn high conductivity copper as specified in the drawings/schedules and incorporate (five) conductors, one of which is an integral earth conductor which does not rely on the busbar trunking case for earth continuity.

Power tap-off points are provided at 333 mm intervals on one side of the trunking and are fully shrouded by automatic shutters ('finger-safe') to prevent accidental contact with live parts. The shutters are operated by inserting and removing the tap-off units. When a change of direction occurs in a busbar run, manufacturers purpose made fittings are used.

Fixing brackets are supplied by the manufacturer for suspension, or wall mounting, at a distance of 1.5 metres unless stated differently in the drawing/schedules.

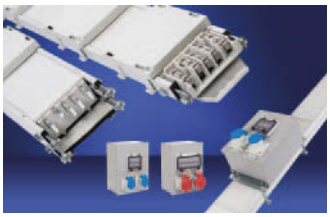
#### Tapping boxes

Tapping boxes are "plug-in" type fitted with HRC fuses, MCB's, RCBO's, or socket outlets (BS 1363 or EN 60309-2) as detailed on the drawings/specifications.

The tapping boxes are designed and manufactured so that the current carrying metal is not exposed during insertion or removal, and the unit is connected to earth before contact is made with the live busbar conductors. The unit remains earthed during removal until all live connections are disconnected.

The tapping box enclosures are manufactured from reinforced polyester, classified flammability grade UL-94-V-O. A safety device is fitted to ensure non-reversibility when connecting to the Busbar.

### MP range typical specification



The busbar system in ratings from 125 - 800 A, is of approved manufacture, designed for use as a rising main and horizontal power distribution system for both commercial and industrial applications.

Current ratings are as detailed on the drawings / schedules and comply to a degree of protection IP4X, as defined in IEC 60529 (BSEN 60529) and capable of an advanced level of protection to IP54.

The busbar system is designed and manufactured to comply fully with IEC 60439-2, IEC 61439-6 and BSEN 60439-2, BSEN 61439-6 standards and suitable for use in 690 V, 3 phase, 4 wire, 50 Hz supply. The busbar system is DEKRA (KEMA) certified and capable of withstanding prospective fault level currents as detailed on the drawings / schedules.

The enclosure is manufactured from shaped extruded painted aluminium profile with interlocking flame retardant polyester covers. The busbar trunking is available in 3 m, 2 m or 1 m lengths with tapping outlets every third of a metre along its length. Each length is complete with mechanical coupling in order to provide a quality electro-mechanical joint.

The conductor bars are square or rectangular hard dawn high conductivity copper or aluminium as specified in the drawings/ schedules and shall incorporate (five) conductors, one of which will be an integral earth conductor and does not rely on the busbar enclosure for earth continuity.

Fire resisting barriers are provided within the trunking where the enclosure passes through fire rated floor or wall positions. The fire barriers are manufactured from approved mineral board in order to form a barrier not less than 125 mm thick.
Busbars are tested to standards EN 1366-3 & DIN 4102-9 for fire resistance with protection to E120 & I120.
Busbars are tested for circuit (functional) integrity DIN 4102-12 maintaining the function of electrical circuit during fire for 2 hours when enclosed in Promatect product.

Approved external fire barrier kits for retrofitting onsite available to EN 1366-3 & DIN 4102-9.

Power tap-off points are provided at 333 mm intervals on one side of the trunking and is fully shrouded by automatic shutters ("finger safe") to prevent accidental contact with live parts. The shutters are operated by inserting and removing the tap-off units.

When a change of direction occurs in a busbar run, manufacturers purpose made fittings shall be used.

Fixing brackets are supplied by the manufacturer for suspension or wall mounting at a distance of 1.5 metres unless stated differently in the drawings / schedules.

### Tapping boxes

Tapping boxes are "plug-in" type fitted with HRC fuses, MCB's, MCCB's, switch fuses, fuse combination units or socket outlets (BSEN 60309-1, BSEN 60309-1) as detailed on the drawings/ specifications.

The tapping boxes are designed and manufactured so that the current carrying parts are not exposed during insertion or removal, and the unit is connected to earth before contact is made with the line busbar conductors. The unit remains earthed during removal until all live connections are disconnected.

The tapping box enclosures are manufactured from 1.5 mm sheet steel, with paint finish to RAL 7035. Tapping boxes are provided complete with integral flexible cables terminating in a purpose made shrouded copper connection, tin plated plugs for attachment to the busbar without drilling or clamping.

A safety device is fitted to ensure non-reversibility when connecting tapping boxes to the busbar.

### XP range typical specification



The busbar system in ratings from 800 - 6300 A, is of approved manufacture, designed for use as a rising main and horizontal power distribution system for both commercial and industrial applications. Current ratings are as detailed on the drawings / schedules and comply to a degree of protection IP55, as defined in IEC 60529 (BSEN 60529).

The busbar system is designed and manufactured to comply with IEC 60439-2, IEC 61439-6 and BSEN 60439-2, BSEN 61439-6 standards and suitable for use in 690 V, 3 phase, 4 wire, 50 Hz supply, taking into consideration the requirements of BS 7671 (IEE Wiring Regulations). The system is supplied as factory assembled units, which are rigid in construction and symmetrical in appearance.

Busbar section ends are asymmetrical in order to prohibit phase reversal of adjacent sections. The joint between adjacent busbar lengths rated from 800 - 6300 A is formed by a removable joint pack. Insulator plates are provided within the joints to isolate each phase conductor joint. With all exposed plastic components made from Low Smoke Halogen Free material, flammability grade UL-94-V-O. The integral joint and busbar construction form a combined structure sufficiently rigid to be supported on 2 m centres.

Deforming the Busbar casing shall not compromise joint integrity. The Busbar casing has no ventilating openings. Horizontal or vertical hangers are provided as required. Feeder, Distribution and Rising Mains section are interchangeable.

The tap-off outlet has an integral shutter that will automatically open upon fitting of a tapping unit. It is possible to position tap-off outlets to the customers specification. Tap-off outlets meet IEC 60529 (BSEN 60529) IP55 requirements without the need for an additional cover.

Tap-off outlets are available on Distribution busbars up to three per 3 m length. Tap-off outlets are located on one side for the Rising Mains busbar. The housing is extruded aluminium section custom-designed for the system.

All additional fixings and fittings are plated for corrosion resistance. The busbar is suitable for the following uses: IP55 Feeder and Distribution without additional covers. The maximum operating temperature complies with above standards in any position at its rated current and level of protection.

### Joints

Electrical joints are accomplished with a shear bolt joint connection. A two-headed joint bolt is utilized to provide a one-time torque indication on installation. The joint bolt provides an easily detected visual indication that the bolt has been tightened to the specified torque. Inspection joint covers are provided to permit periodic joint examination without disturbing joint pressure or reducing the Busbars ability to be supported on 2 m centres. It is possible to remove a section of busbar without disturbing adjacent sections. Disc spring washers are used at the joint to uniformly distribute pressure. The disc spring washers also accommodate the thermal expansion of the busbars and housing at this position.

### Busbars

Busbars are fabricated from electrical grade Copper (C101 EN 13601: 2002) or electrical grade Aluminium. Plated bars shall be provided where specification requires. The busbar system is DEKRA (KEMA) certified and capable of withstanding prospective fault level currents as detailed on the drawings/ schedules. Busbars are insulated with a 140 degree celsius insulation. The construction ensures that busbar spacing is held to a minimum reducing reactance. The design of the system ensures that differential expansion between adjacent bars, or between bars and casing is accommodated within the length. The aluminium housing will serve as an integral earth conductor. With optional variations of: 200% rated neutral can be provided which is entirely contained within the busbar housing, 100% rated earth bar can be provided which is entirely contained within the busbar housing and a 100% rated isolated earth (clean earth) can also be provided which is entirely contained within the busbar housing.

### Tapping units

Tapping units are “plug-in” type fitted with MCCB’s and Fuse-Switch Disconnectors as detailed on the drawings / specifications. Fuse-switch tapping units will contain a double-break switch disconnector conforming to IEC 60947-3, BSEN 60947-3 and suitably equipped to accept fuse links.

The tap-off units have an interlocked door with suitable rotary operating mechanism. Fused tapping units contain three fuse carriers suitably rated to accept fuse links. The tapping units will have a hinged door with internal live contact protection.

The tapping boxes are designed and manufactured so that the current carrying conductors are not exposed during insertion or removal, and the unit is connected to earth before contact is made with the line busbar conductors. The unit remains earthed during removal until all live connections are disconnected.

The tapping box enclosures are manufactured from 1.5 mm sheet steel, with paint finish to RAL 7035. Tapping boxes are provided complete with integral flexible cables terminating in a purpose made shrouded copper connection, complete with electro-tin plated plugs for attachment to the busbar without drilling or clamping.

Tapping units are designed so that all accessories required to attach the unit to the busbars are captive. Switched Tapping units are of the safety type, so interlocked with the busbar housing that they cannot be added or removed unless the switching mechanism is “OFF”.

Tap-off units are designed with built in safety device to ensure non-reversibility when connecting to the busbar.

The “ON/OFF” indicator also uses the international symbols for identifying “ON” (I) and “OFF” (O).

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