



BLINDOSBARRA®

250A - 1000A



DELETEC, S.L.

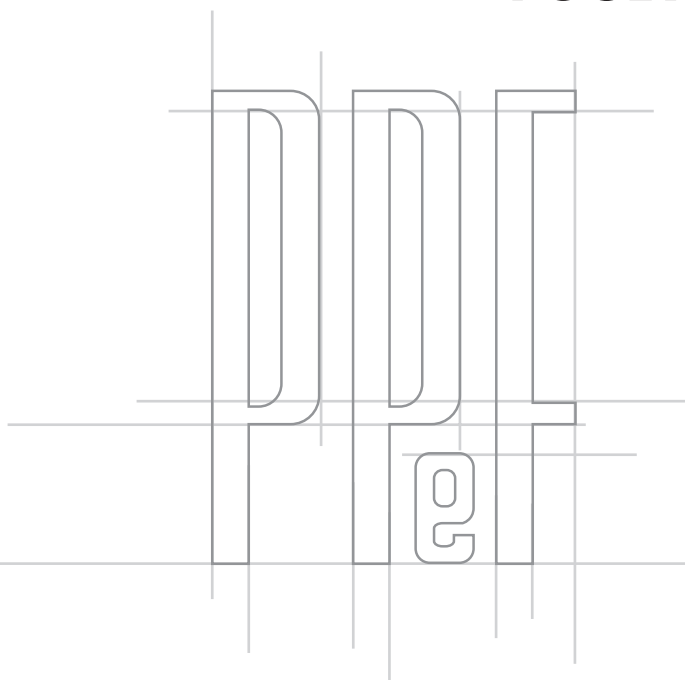
**CANALIZACIONES ELECTRICAS
PREFABRICADAS**

BLINDOSBARRA

BS

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eF

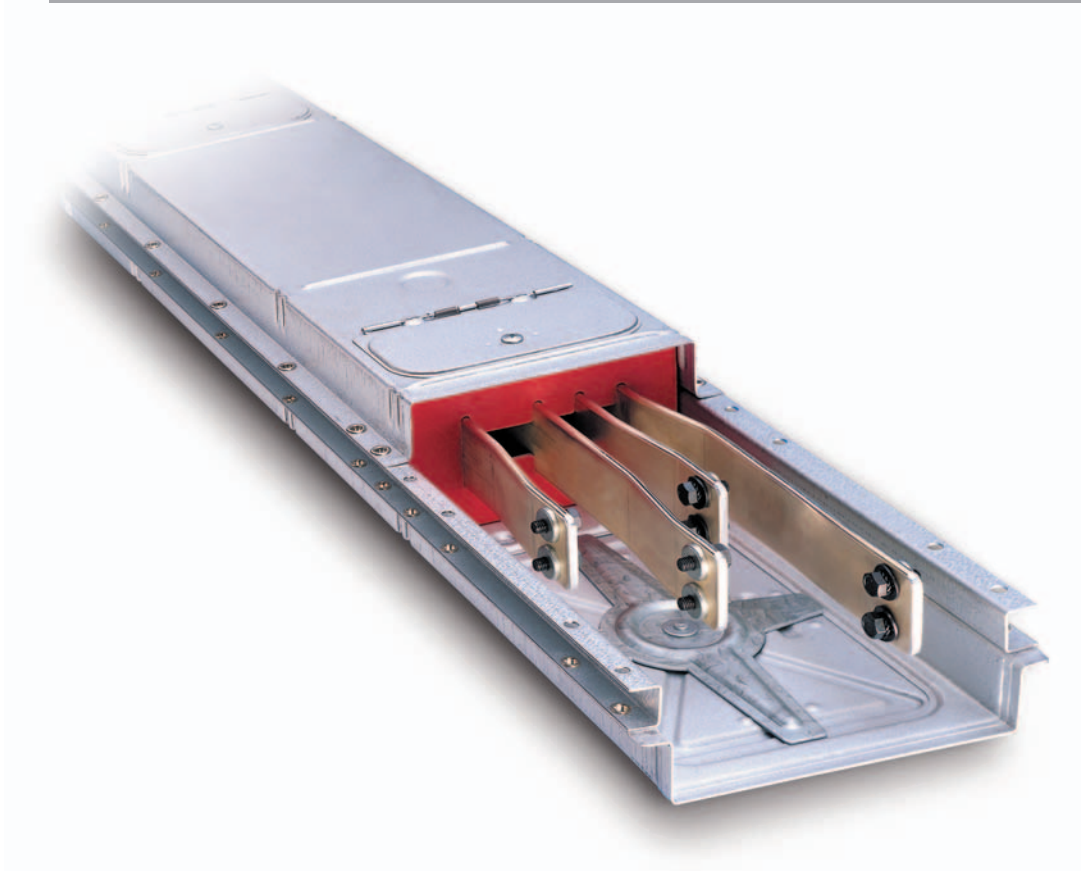
POGLIANO BUSBAR



EDICIÓN 2018

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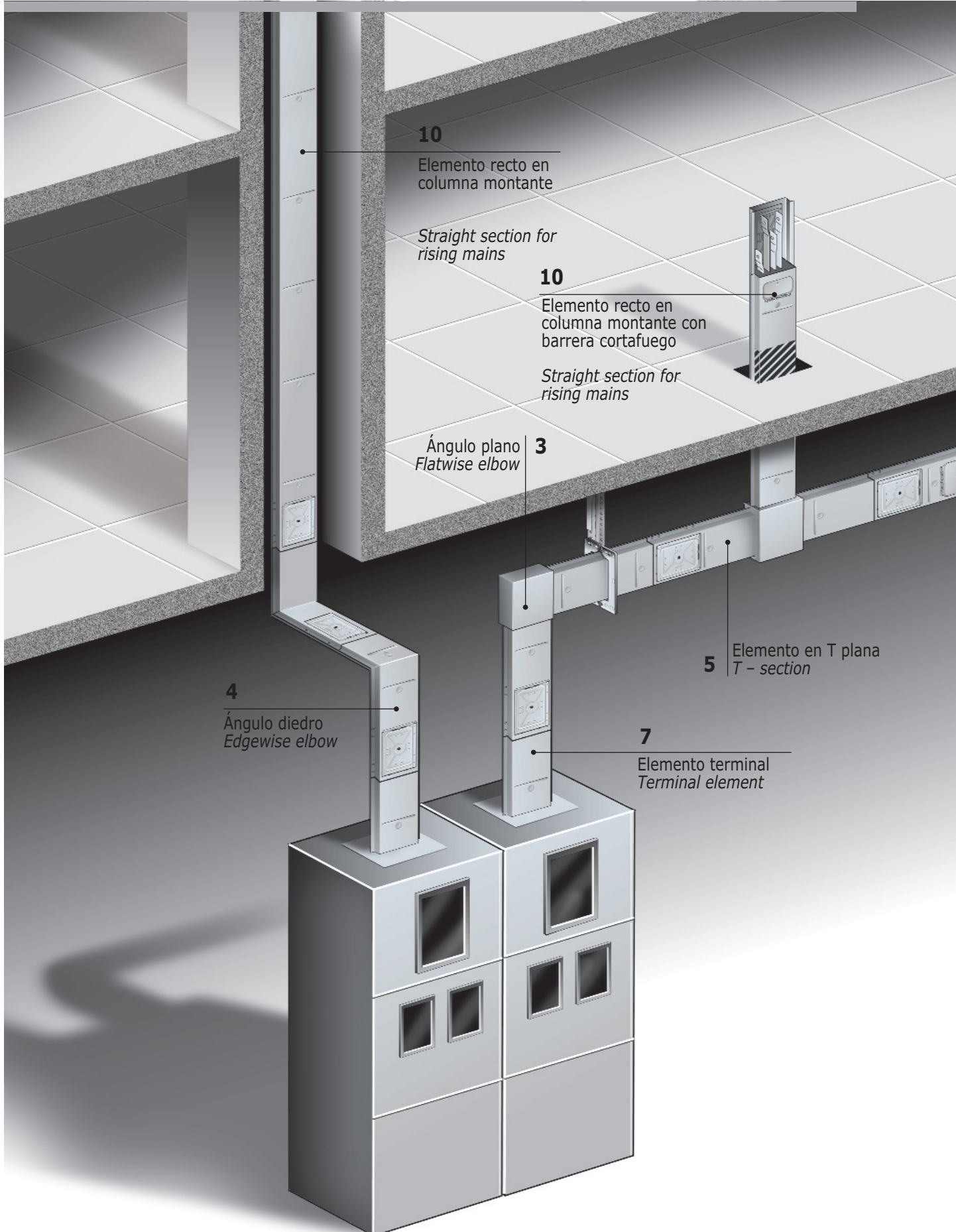
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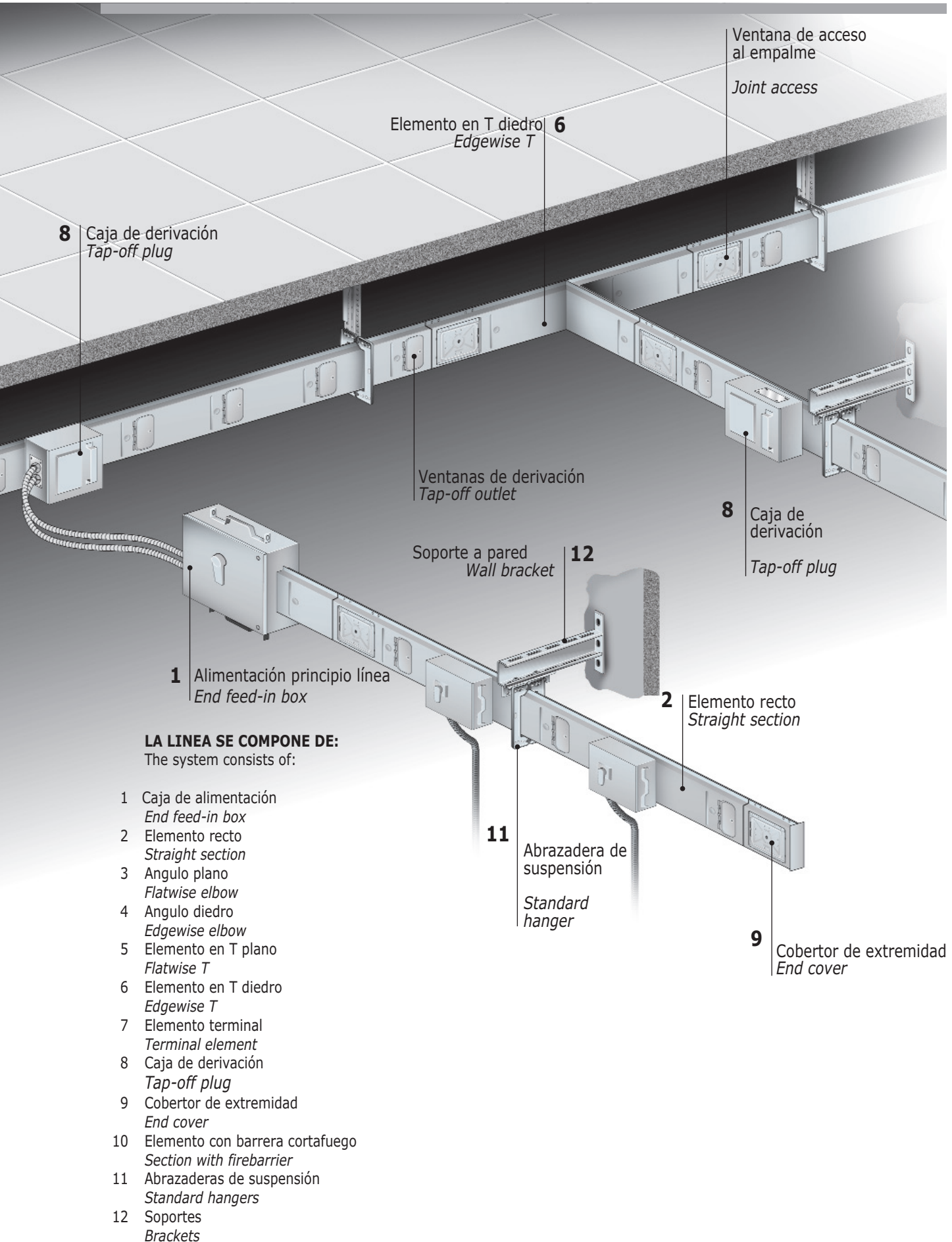


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ESQUEMA DE MONTAJE DE UN SISTEMA BLINDOSBARRA

BLINDOSBARRA SYSTEM LAYOUT





CARACTERÍSTICAS DEL SISTEMA BLINDOSBARRA®

BLINDOSBARRA® SYSTEM FEATURES

- Conforme a las normas internacionales EN 60439-1, EN 60439-2, IEC 439-1 y 439-2 y a todas las normas nacionales que de ellas se derivan.

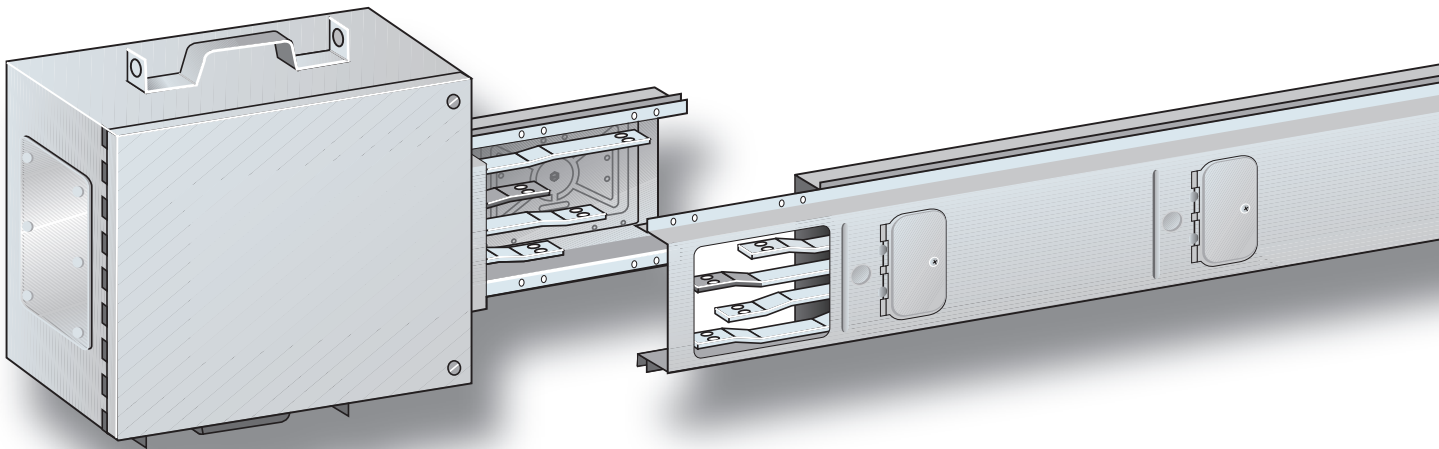
Complies to international and domestic standards: EN 60439-1, EN 60439-2, IEC 439-1 and 439-2 and all national standards deriving from them

- Amperajes a partir de 250A y hasta 1000A para el transporte y la distribución, en líneas puestas de canto o de plano, rectas o con ángulos.

Rated current from 250 up to 1000 A. Feeder or plug-in lines with horizontal or vertical sections, straight or bent.

- Tensiones hasta 1000V a frecuencias de 50/60Hz.

Voltage up to 1000V at frequencies of 50/60 HZ



- Envolvente de acero cincado (EN 10142) con 10/10 mm de espesor.

Zinc-plated steel housing (EN 10142) with a thickness of 10/10 mm

- Grado de protección IP 55 (EN 60529) sin necesidad de añadir accesorios.

IP55 protection degree (EN 60529) with no added accessories

- Pletinas conductoras:
 - Cobre electrolítico puro al 99,9%
 - Aluminio AD 14, cincadas, cobreadas y estañadas en toda su longitud.

Busbars in:

- pure electrolytic copper (99.9%) or
- aluminium AD 14 busbars, zinc-plated, copper-plated and tin-plated throughout their length

- Conductor de protección (PE) constituido por la envolvente; si se requiere, se puede suministrar con PE suplementario.

The housing is the protective conductor (PE) of the system. Additional earth available on request

- Posibilidad de instalación en columna montante con barreras cortafuego, realizadas según la norma DIN 4102-9.

Suitable for rising mains with firebarriers (standard DIN 4102-9)

- Cajas de derivación a partir de 30A y hasta 630A.

Tap-off outlets from 30A to 630A.

- Abrazaderas que sustentan toda la envolvente y proporcionan puntos de apoyo para la suspensión de la línea.

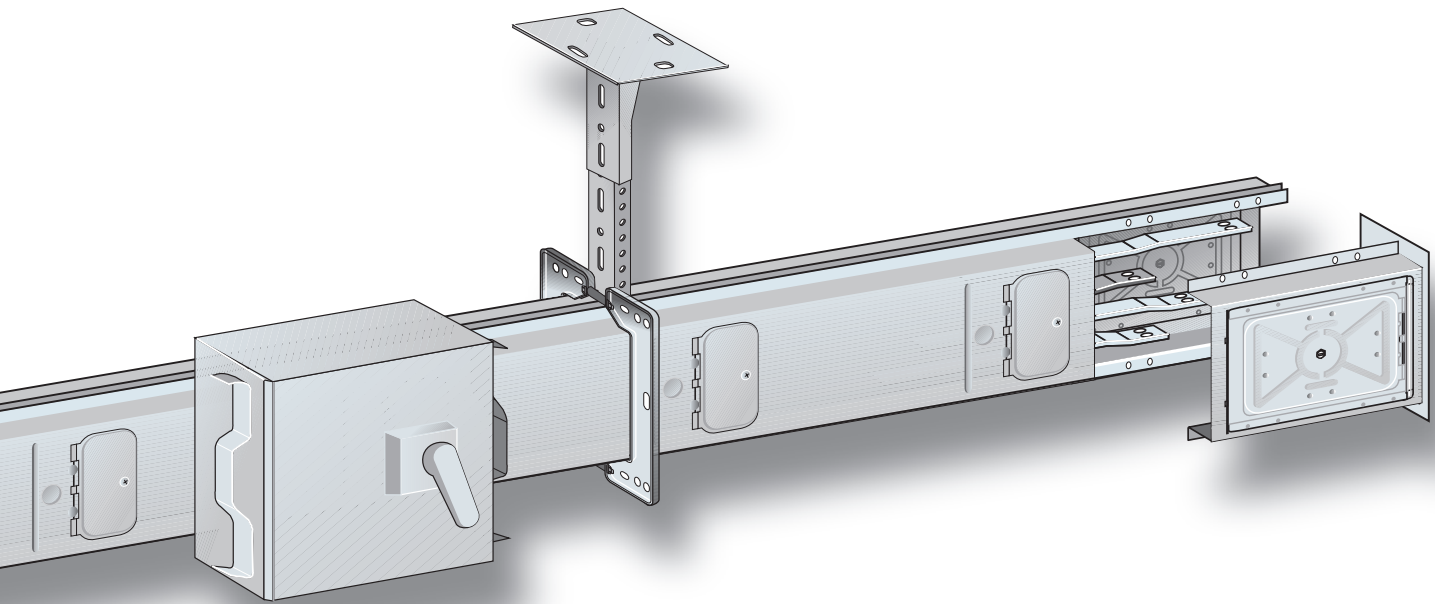
Hangers that support the whole housing and supply several hooking spots for the suspension of the line

- Soportes de varios tipos, de fácil y rápida instalación, para cargas elevadas.

Very simple and effective brackets with high carrying capacity.

- Accesorios que se integran con todos los dispositivos de un sistema eléctrico.

Accessories that fit in with the other electrical devices of an electrical system



UNION ENTRE ELEMENTOS - TALADROS Y TUERCAS

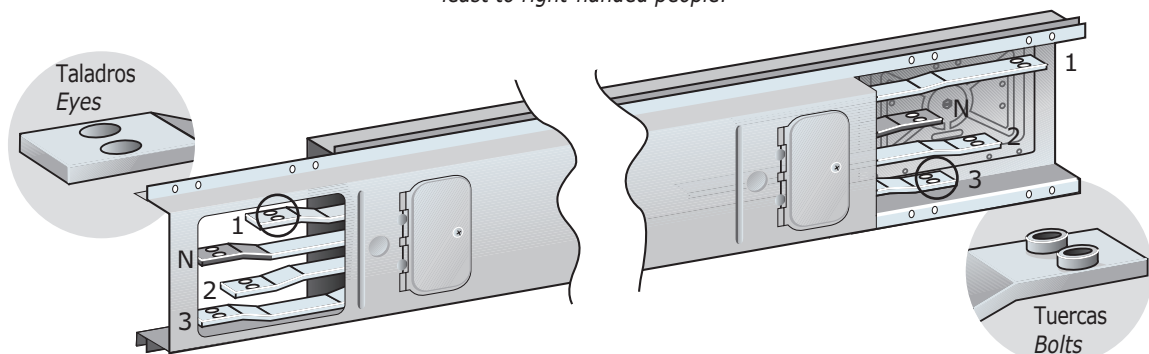
JOINTING OF SECTIONS - EYES AND BOLTS

Cada elemento se suministra provisto de taladros en un extremo y tuercas en el otro, para una correcta unión con los elementos adyacentes.

El Blindosbarra puesto de canto se instala con el N hacia arriba, de tal manera que las ventanas de las cajas de derivación se abran hacia la izquierda, facilitando así las operaciones de montaje y mantenimiento.

Jointing of sections – eyes and bolts
Each section is equipped with eyes on one side and bolts on the other side for a correct jointing

Install the Blindosbarra system with the neutral up when installing the system edgewise. This way the tap-off outlets will open to the left, thus making tap-off installation and maintenance easier... at least to right-handed people!



INFORMACION GENERAL

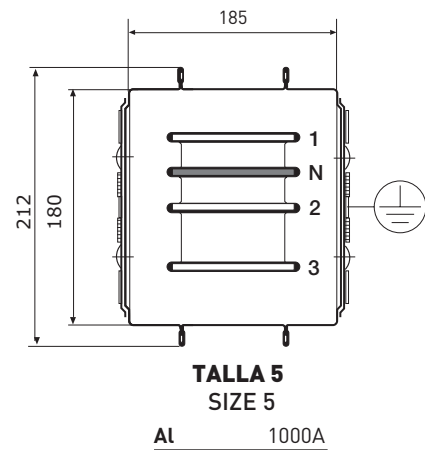
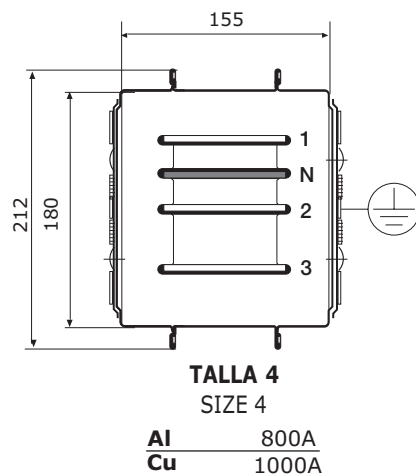
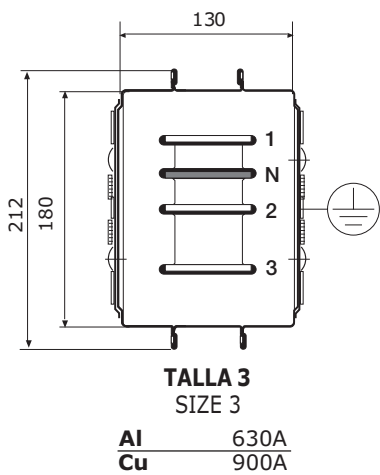
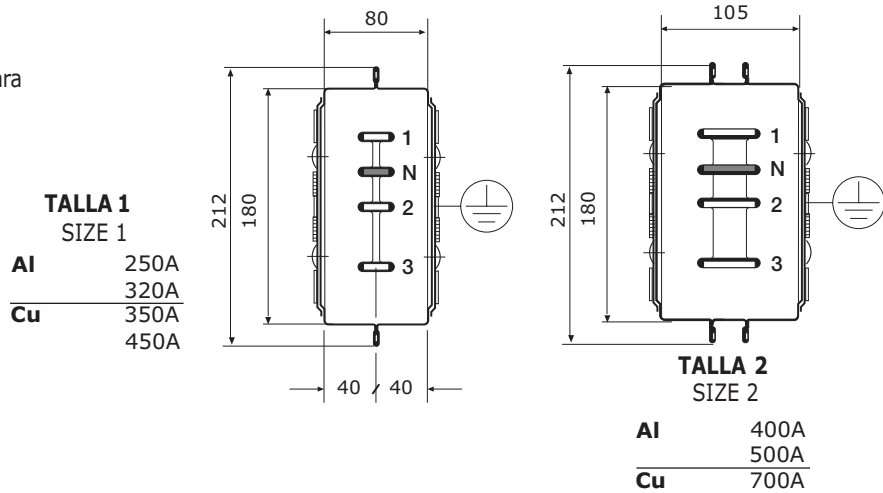
GENERAL INFORMATION

DIFERENTES EJECUCIONES DEL SISTEMA BS

EXECUTIONS OF BS SYSTEM

La altura de la envolvente es la misma para todos los modelos de BS: 212mm.

La anchura de la envolvente presenta cinco Tallas: 80-105-130-155 - 185 mm.

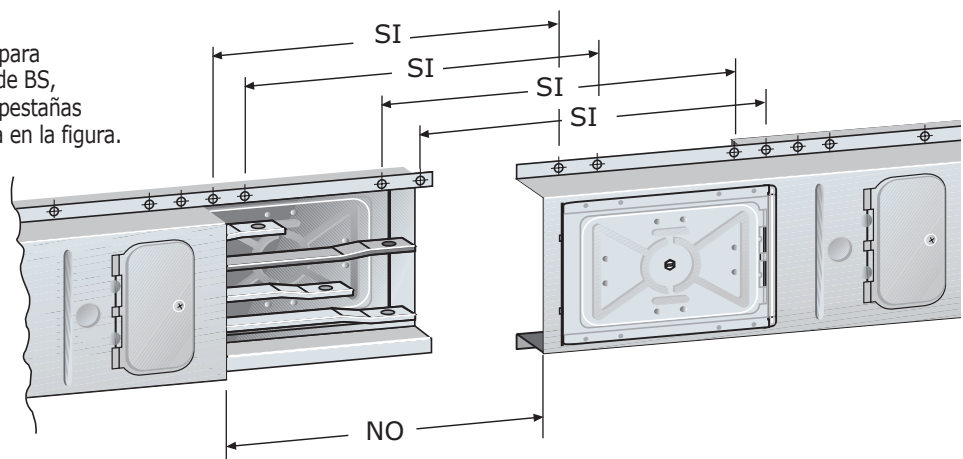


COMO SE MIDE UNA PIEZA DE CIERRE

HOW TO MEASURE A GAP BETWEEN TWO SECTIONS

La medida de una pieza de cierre, para cubrir hueco entre dos elementos de BS, se realiza entre los taladros de las pestañas de las envolventes, según se indica en la figura.

In order to measure a gap between two sections proceed as shown by this drawing.

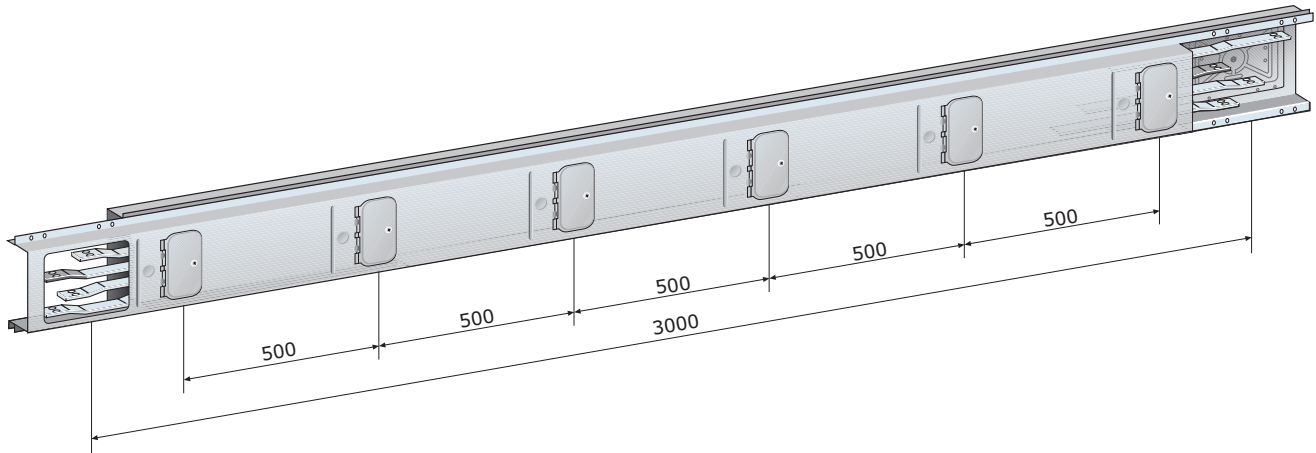


ELEMENTOS CONDUCTORES

BUSBAR TRUNKING SECTIONS

ELEMENTOS RECTOS

STRAIGHT SECTIONS



| Amperaje Rated I | COBRE COPPER | | | ALUMINIO ALUMINIUM | |
|---------------------|-----------------|------------------------|---------------------|-----------------------|-------------|
| | 3F + PE | 3F + N + PE (N = 1/2F) | 3F + N + PE (N = F) | 3F + PE | 3F + N + PE |
| 250A | | | | 113800Z3LAE | 114800Z3LAE |
| 320A | | | | 113500Z3LAE | 114500Z3LAE |
| 350A | 110100Z3LAE | 110300Z3LAF | 112100Z3LAE | | |
| 400A | | | | 113300Z3LAE | 114300Z3LAE |
| 450A | 112300Z3LAE | | 112200Z3LAE | | |
| 500A | | | | 113900Z3LAE | 114900Z3LAE |
| 630A | | | | 113400Z3LAE | 114400Z3LAE |
| 700A | 110200Z3LAE | 110400Z3LAE | 111400Z3LAE | | |
| 800A | | | | 113700Z3LAE | 114700Z3LAE |
| 900A | 111700Z3LAE | 112800Z3LAE | 111800Z3LAE | | |
| 1000A | 115000Z3LAE | 111000Z3LAE | 115100Z3LAE | | 116000Z3LAE |

ELEMENTOS CONDUCTORES

BUSBAR TRUNKING SECTIONS

ELEMENTO CON JUNTA DE DILATACION

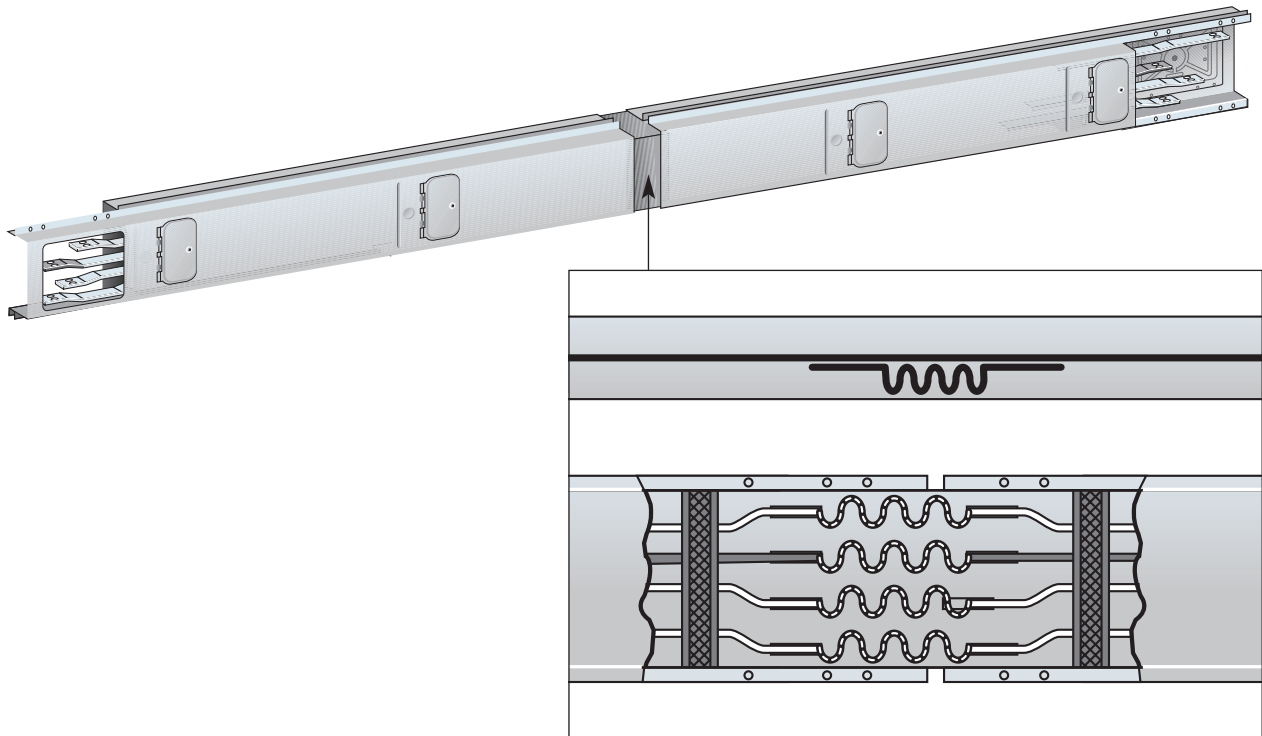
STRAIGHT SECTION WITH EXPANSION JOINT

En correspondencia con las juntas dilatadoras de los edificios, se deben instalar elementos con juntas de dilatación.

Sections with expansion joint must be installed in proximity of the building's expansion joint.

! Elemento de 2975 ÷ 3025 con 50 mm de regulación telescópica.

! 2975 to 3025 (50 mm of telescopic adjustment)



| Amperaje Rated I | COBRE COPPER | | ALUMINIO ALUMINIUM | |
|---------------------|-----------------|-------------|-----------------------|-------------|
| | 3F + PE | 3F + N + PE | 3F + PE | 3F + N + PE |
| 250A | | | 113808Z3LAE | 114808Z3LAE |
| 320A | | | 113508Z3LAE | 114508Z3LAE |
| 350A | 110108Z3LAE | 110308Z3LAF | | |
| 400A | | | 113308Z3LAE | 114308Z3LAE |
| 450A | 112308Z3LAE | 112208Z3LAE | | |
| 500A | | | 113908Z3LAE | 114908Z3LAE |
| 630A | | | 113408Z3LAE | 114408Z3LAE |
| 700A | 110208Z3LAE | 110408Z3LAF | | |
| 800A | | | 113708Z3LAE | 114708Z3LAE |
| 900A | 111708Z3LAE | 112808Z3LAE | | |
| 1000A | 115008Z3LAE | 115108Z3LAE | | 116008Z3LAE |

ELEMENTOS CONDUCTORES

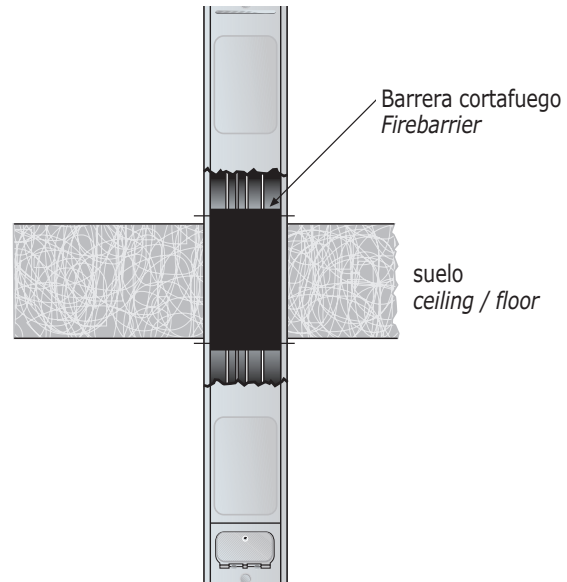
BUSBAR TRUNKING SECTIONS

COLUMNAS MONTANTES

RISING MAINS

En instalaciones en vertical, la secuencia correcta de montaje es con la sucesión 1-N-2-3 de izquierda a derecha en la cara donde se insertarán las derivaciones. De esta forma, las ventanas para derivaciones se abrirán hacia abajo.

In case of vertical installation (rising mains) the correct phase sequence is 1-N-2-3 from left to right when looking at the busbar trunking. In this way the covers of the tap-off outlets will open downwards.



| Amperaje Rated I | COBRE COPPER | | ALUMINIO ALUMINIUM | |
|---------------------|-----------------|-------------|-----------------------|-------------|
| | 3F + PE | 3F + N + PE | 3F + PE | 3F + N + PE |
| 250A | | | 113805Z3LAE | 114805Z3LAE |
| 320A | | | 113505Z3LAE | 114505Z3LAE |
| 350A | 110105Z3LAE | 110305Z3LAF | | |
| 400A | | | 113305Z3LAE | 114305Z3LAE |
| 450A | 112305Z3LAE | 112205Z3LAE | | |
| 500A | | | 113905Z3LAE | 114905Z3LAE |
| 630A | | | 113405Z3LAE | 114405Z3LAE |
| 700A | 110205Z3LAE | 110405Z3LAF | | |
| 800A | | | | 114705Z3LAE |
| 900A | 111705Z3LAE | 112805Z3LAE | | |
| 1000A | | 115105Z3LAE | | 116005Z3LAE |

BARRERA CORTAFUEGO

FIREBARRIERS

Los elementos con barrera cortafuego, fabricados según la norma DIN 4102-9, permiten la separación entre dos sectores aislados que cruce una línea.

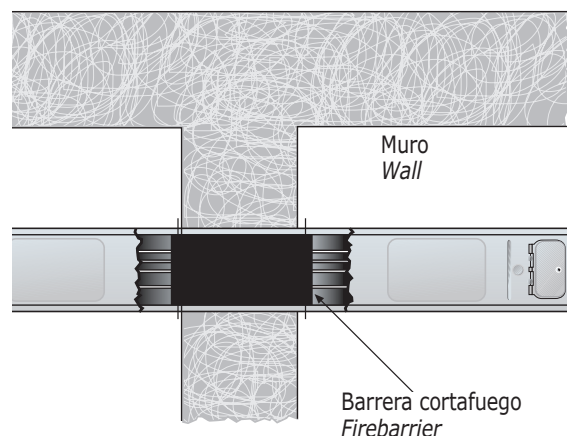
La barrera cortafuego se debe instalar en correspondencia del muro o suelo.

La longitud estándar de la barrera cortafuego es de 180 mm ó 320 mm, y se suministra incluida en un elemento conductor recto. Para más información, contactar con el servicio de ventas.

The sections with firebarrier (engineered in compliance with DIN Standard 4102-9) are designed with the purpose of segregating the two sides of a section that goes through a wall or floor slab.

The firebarrier must be positioned at the wall or slab crossing. Firebarriers can be 180 mm or 320 mm thick.

For further information call our sales department.



ELEMENTOS CONDUCTORES

BUSBAR TRUNKING SECTIONS

ANGULOS DIEDROS

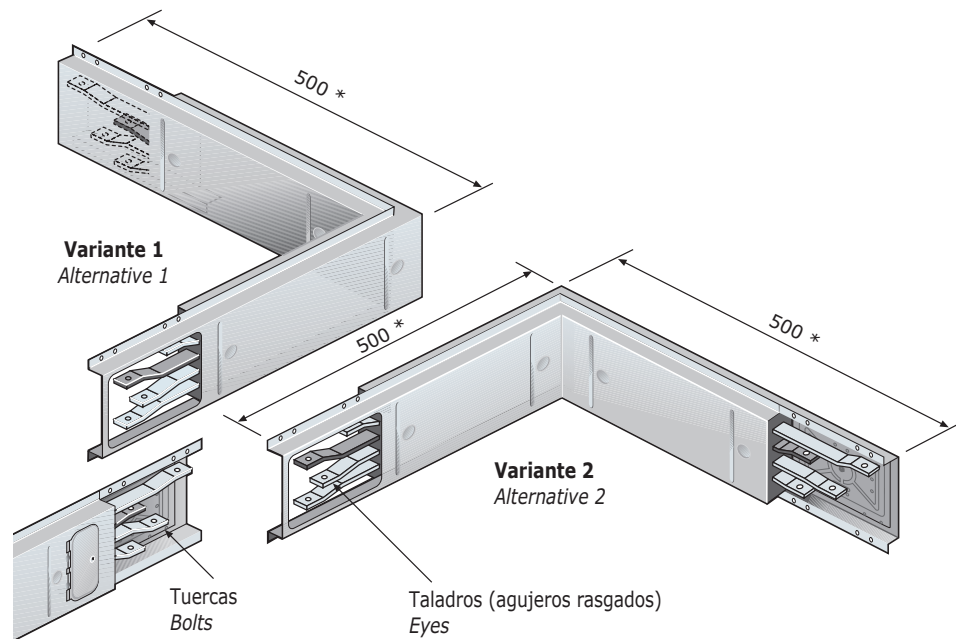
EDGEWISE ELBOWS

Los dos extremos de un elemento Blindosbarra no son iguales, sino complementarios. En una línea situada como se muestra en la figura (extremo con tuercas, neutro arriba), el ángulo de la variante 1 gira hacia la izquierda, mientras que el de la variante 2 gira hacia la derecha.

The two ends of a Blindosbarra section are not identical but complementary. If you follow the path of an edgewise elbow positioned like in these two drawings (eyed neutral up), an alternative 1 elbow bends to the left, while the alternative 2 elbow bends to the right.

!
En los elementos en ángulo y en T no se pueden montar cajas de derivación.

!
On elbows and T's it is not possible to insert any tap-off plugs.



* 600 mm para BS 1000A Al

| Amperaje Rated I | COBRE COPPER | | ALUMINIO ALUMINIUM | |
|---------------------|-----------------|-------------|-----------------------|-------------|
| | 3F + PE | 3F + N + PE | 3F + PE | 3F + N + PE |
| 250A | | | 113801Z1LAE | 114801Z1LAE |
| 320A | | | 113501Z1LAE | 114501Z1LAE |
| 350A | 110101Z1LAE | 110301Z1LAF | | |
| 400A | | | 113301Z1LAE | 114301Z1LAE |
| 450A | 112301Z1LAE | 112201Z1LAE | | |
| 500A | | | 113901Z1LAE | 114901Z1LAE |
| 630A | | | 113401Z1LAE | 114401Z1LAE |
| 700A | 110201Z1LAE | 110401Z1LAE | | |
| 800A | | | 113701Z1LAE | 114701Z1LAE |
| 900A | 111701Z1LAE | 112801Z1LAE | | |
| 1000A | 115001Z1LAE | 115101Z1LAE | | 116001Z2LAE |

ELEMENTOS CONDUCTORES

BUSBAR TRUNKING SECTIONS

ANGULOS PLANOS

FLATWISE ELBOWS

Los ángulos planos también disponen de 2 variantes.

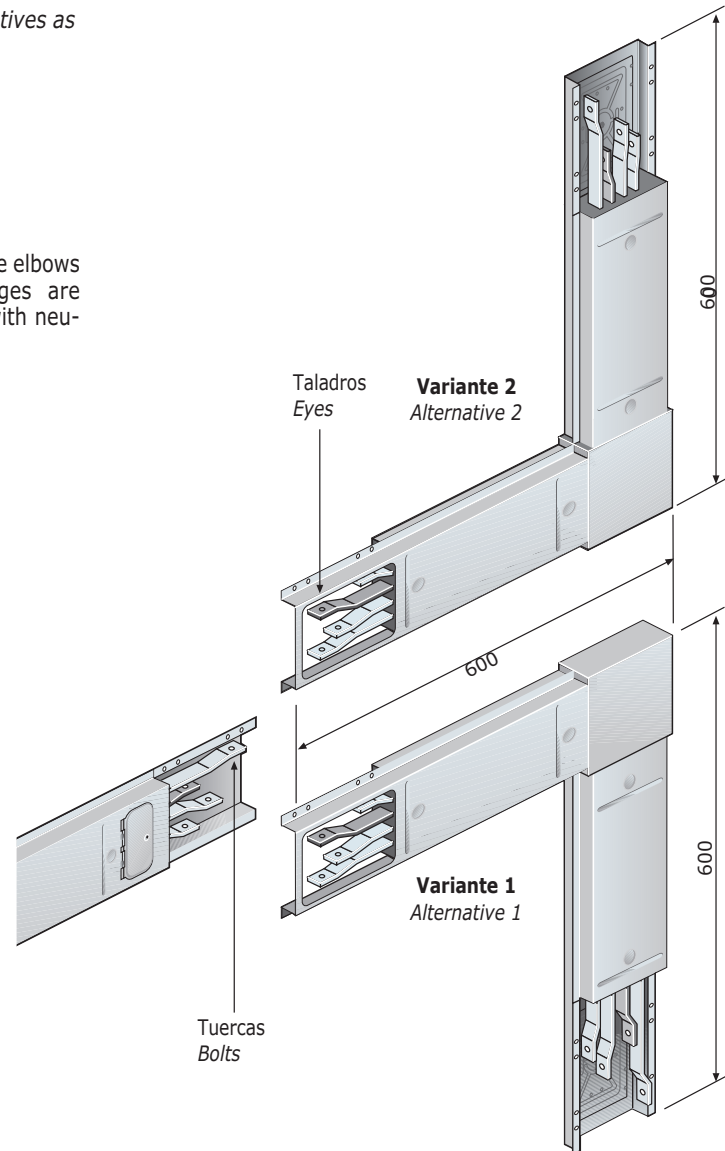
Same logic on alternatives as for edgewise elbows



Las variantes de los ángulos indicadas en figura presupon que la línea esté instalada de canto con neutro situado arriba.



The alternatives of the elbows shown in these pages are based on assembly with neutral up.



COBRE COPPER

ALUMINIO ALUMINIUM

| Amperaje Rated I | 3F + PE | 3F + N + PE | 3F + PE | 3F + N + PE |
|---------------------|-------------|-------------|-------------|-------------|
| 250A | | | 113802Z1LAE | 114802Z1LAE |
| 320A | | | 113502Z1LAE | 114502Z1LAE |
| 350A | 110102Z1LAE | 110302Z1LAF | | |
| 400A | | | 113302Z1LAE | 114302Z1LAE |
| 450A | 112302Z1LAE | 112202Z1LAE | | |
| 500A | | | 113902Z1LAE | 114902Z1LAE |
| 630A | | | 113402Z1LAE | 114402Z1LAE |
| 700A | 110202Z1LAE | 110402Z1LAF | | |
| 800A | | | 113702Z1LAE | 114702Z1LAE |
| 900A | 111702Z1LAE | 112802Z1LAE | | |
| 1000A | 115002Z1LAE | 115102Z1LAE | | 116002Z1LAE |

ELEMENTOS EN T T SECTIONS

T DIEDRO EDGEWISE T

Se utiliza para exigencias especiales de recorrido o derivaciones de la línea principal.

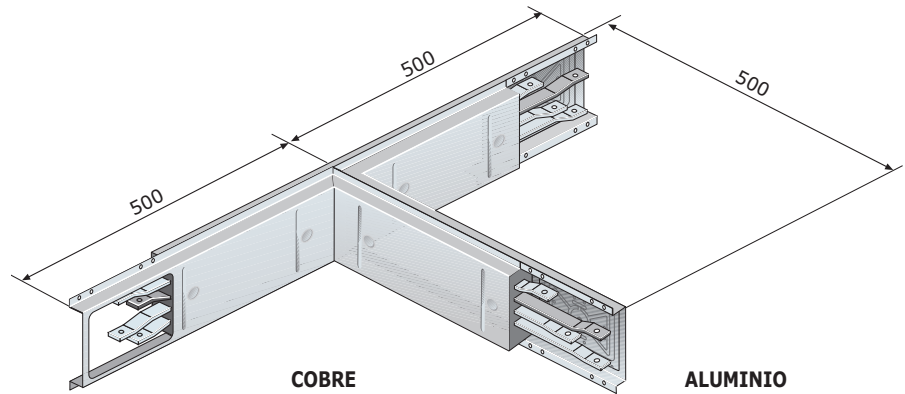
Medidas estándar:

Igual que ocurre con los ángulos, existen dos variantes.

To be utilized in special connections or for branching off the main line.

Standard measurements:

As for normal elbows, there are two alternatives.

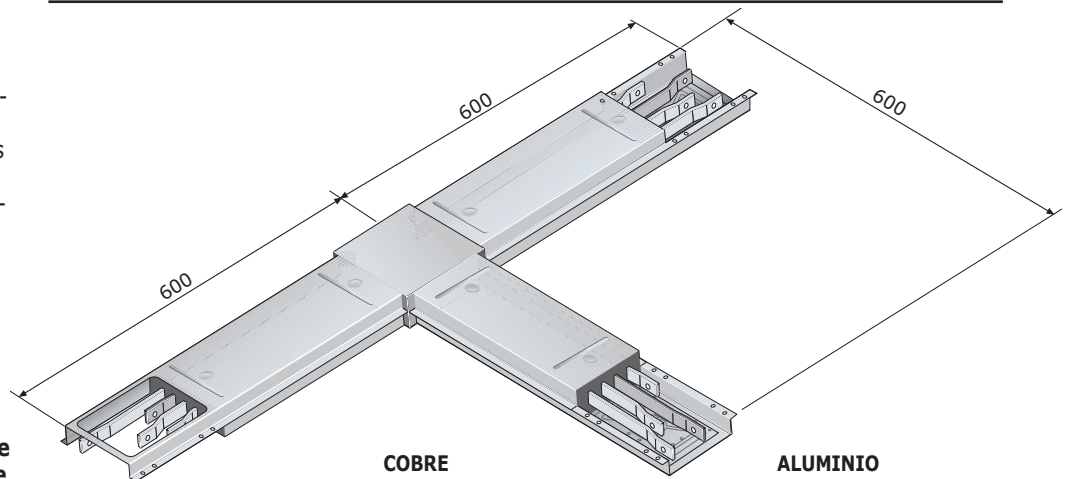


| Amperaje Rated I | COBRE COPPER | | ALUMINIO ALUMINIUM | |
|---------------------|-----------------|-------------|-----------------------|-------------|
| | 3F + PE | 3F + N + PE | 3F + PE | 3F + N + PE |
| 250A | | | 113807Z4LAE | 114807Z4LAE |
| 320A | | | 113507Z4LAE | 114507Z4LAE |
| 350A | 110107Z4LAE | 110307Z4LAF | | |
| 400A | | | 113307Z4LAE | 114307Z4LAE |
| 450A | 112307Z4LAE | 112207Z4LAE | | |
| 500A | | | 113907Z4LAE | 114907Z4LAE |
| 630A | | | 113407Z4LAE | 114407Z4LAE |
| 700A | 110207Z4LAE | 110407Z4LAF | | |
| 800A | | | 113707Z4LAE | 114707Z4LAE |
| 900A | 111707Z4LAE | 112807Z4LAE | | |
| 1000A | | | | 116007Z4LAE |

⚠ Para pedir elementos (ángulos, T, columnas montantes) con sección del neutro = sección fases, contacten a nuestro servicio de ventas.

T PLANO FLATWISE T

To order busbar trunking sections (elbows, T, rising mains) with the neutral cross section equal to phase cross section, contact our sales department.



| Amperaje Rated I | COBRE COPPER | | ALUMINIO ALUMINIUM | |
|---------------------|-----------------|-------------|-----------------------|-------------|
| | 3F + PE | 3F + N + PE | 3F + PE | 3F + N + PE |
| 250A | | | 113806Z4LAE | 114806Z4LAE |
| 320A | | | 113506Z4LAE | 114506Z4LAE |
| 350A | 110106Z4LAE | 110306Z4LAF | | |
| 400A | | | 113306Z4LAE | 114306Z4LAE |
| 450A | 112306Z4LAE | 112206Z4LAE | | |
| 500A | | | 113906Z4LAE | 114906Z4LAE |
| 630A | | | 113406Z4LAE | 114406Z4LAE |
| 700A | 110206Z4LAE | 110406Z4LAF | | |
| 800A | | | 113706Z4LAE | 114706Z4LAE |
| 900A | 111706Z4LAE | 112806Z4LAE | | |
| 1000A | | | | 116006Z4LAE |

⚠ En los ángulos y Ts no se pueden montar cajas de derivación.

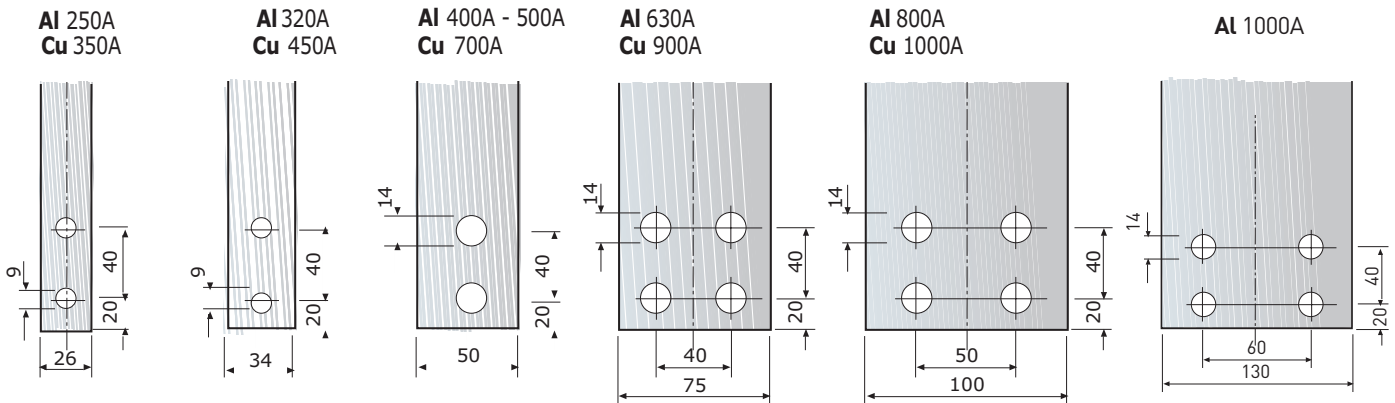
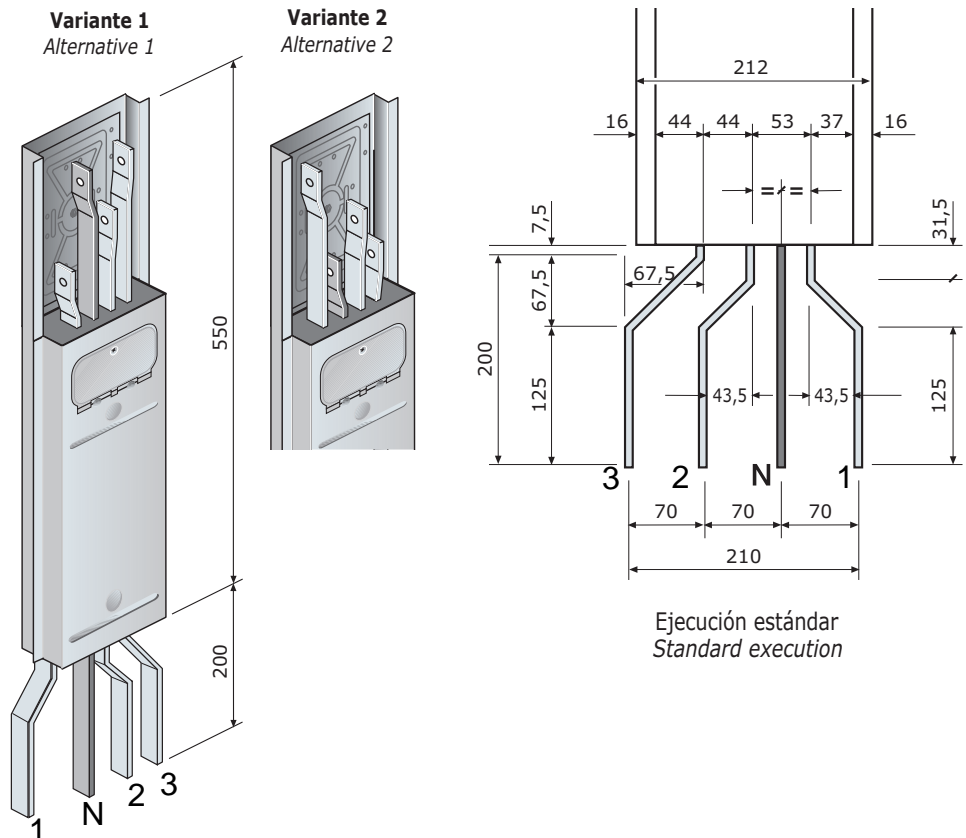
On elbows and T's it is not possible to insert any tap-off plugs.

ELEMENTOS CONDUCTORES BUSBAR TRUNKING SECTIONS

ELEMENTO TERMINAL TERMINAL ELEMENT

Los elementos terminales sirven, por lo general, para la conexión con cuadros de baja tensión o con los transformadores. Normalmente son rectos. Se pueden fabricar ángulos terminales si el recorrido lo requiere. Las pletinas sobresalen 200mm de la envoltura, como muestra la figura. La medida mínima es de 550mm+200mm.

Generally for connection to switchboard or transformer. Terminal elements are preferably straight but they can be placed on elbows if necessary. The bars protrude by 200 mm from the end of the housing as shown in the drawing. Minimum length: 550 mm + 200 mm



| Amperaje Rated I | COBRE COPPER | | ALUMINIO ALUMINIUM | |
|---------------------|-----------------|-------------|-----------------------|-------------|
| | 3F + PE | 3F + N + PE | 3F + PE | 3F + N + PE |
| 250A | | | 113817Z1LAE | 114817Z1LAE |
| 320A | | | 113517Z1LAE | 114517Z1LAE |
| 350A | 110117Z1LAE | 110317Z1LAF | | |
| 400A | | | 113317Z1LAE | 114317Z1LAE |
| 450A | 112317Z1LAE | 112217Z1LAF | | |
| 500A | | | 113917Z1LAE | 114917Z1LAE |
| 630A | | | 113417Z1LAE | 114417Z1LAE |
| 700A | 110217Z1LAE | 110417Z1LAE | | |
| 800A | | | 113717Z1LAE | 114717Z1LAE |
| 900A | 111717Z1LAE | 111817Z1LAE | | |
| 1000A | 115017Z1LAE | 115117Z1LAE | | 116017Z0000 |

CAJAS DE ALIMENTACION

FEED-IN BOX

ALIMENTACION PRINCIPIO DE LINEA IP55

END FEED-IN BOX IP55

Se utiliza para alimentar una línea por un extremo.
Se suministra en la versión 3F + N + PE.

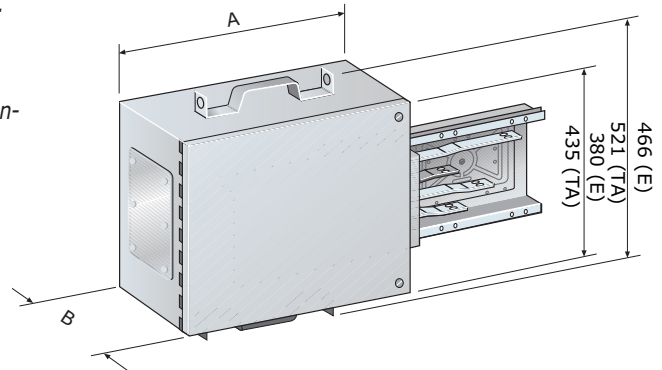
Se suministra con la tuercas necesarias para el empalme con los taladros del primer elemento de la línea.

Se puede adaptar la caja para empalmarla con el extremo con tuercas en lugar del extremo con taladros.

*It's used to feed a line at one end.
It's only available in the 3P+N+PE execution.*

Supplied with busbars set for connection to the eyed end of a Blindosbarra section.

It is possible to adapt it so it can be connected to a bolted end instead.



| Amperaje Rated I | Talla size | s.Cables sec. cable | Estándar (E) | | | | Extra-larga para Toroide Amperimétrico (TA) | | | |
|---------------------|---------------|------------------------|-----------------|-----------------------|-----------|-----------|---|-----------------------|-----------|-----------|
| | | | COBRE COPPER | ALUMINIO ALUMINIUM | A (mm) | B (mm) | COBRE COPPER | ALUMINIO ALUMINIUM | A (mm) | B (mm) |
| 250A | 1 | 2 x 120 | | 114551Z0LAD | 500 | 225 | | 114551Z0LAT | 500 | 225 |
| 320A | 1 | 2 x 120 | | 114551Z0LAD | 500 | 225 | | 114551Z0LAT | 500 | 225 |
| 350A | 1 | 2 x 120 | 112251Z0LAD | | 500 | 225 | 112251Z0LAT | | 500 | 225 |
| 400A | 2 | 2 x 240 | | 114651Z0LAD | 500 | 225 | | 114651Z0LAT | 650 | 225 |
| 450A | 1 | 2 x 120 | 112251Z0LAD | | 500 | 225 | 112251Z0LAT | | 500 | 225 |
| 500A | 2 | 2 x 240 | | 114651Z0LAD | 500 | 225 | | 114651Z0LAT | 650 | 225 |
| 630A | 3 | 3 x 300 | | 114451Z0LAD | 500 | 225 | | 114451Z0LAT | 650 | 225 |
| 700A | 2 | 2 x 240 | 110451Z0LAD | | 500 | 225 | 110451Z0LAT | | 650 | 225 |
| 800A | 4 | 4 x 240 | | 114751Z0LAD | 500 | 250 | | 114751Z0LAT | 650 | 250 |
| 900A | 3 | 3 x 300 | 111851Z0LAD | | 500 | 225 | 111851Z0LAT | | 650 | 240 |
| 1000A | 4 | 4 x 300 | 115151Z0LAD | | 500 | 260 | 115151Z0LAT | | 650 | 256 |
| 1000A | 5 | 4 x 300 | | 116051Z0LAD | 500 | 300 | | 116051Z0LAT | 650 | 300 |

ALIMENTACION PRINCIPIO DE LINEA IP55 CON SECCIONADOR/FUSIBLES

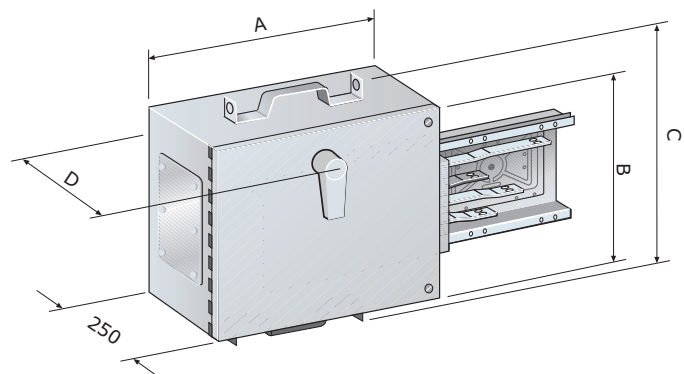
END FEED-IN BOX IP55 WITH ISOLATOR/FUSES

116051Z0LAT 650 300

Para proteger y seccionar la línea. *It allows for the protection and isolation of the line.*

Se suministra en la versión 3F + N + PE.

It's only available in the 3P+N+PE execution.



| Amperaje Rated I | COBRE COPPER | ALUMINIO ALUMINIUM | talla size | secc. Cables cable cross section | A (mm) | B (mm) | C (mm) | D (mm) |
|---------------------|-----------------|-----------------------|---------------|-------------------------------------|-----------|-----------|-----------|-----------|
| 250A | | 114563Z0LAC | 1 | 2 x 120 | 696 | 500 | 586 | 332 |
| 320A | | 114563Z0LAC | 1 | 2 x 120 | 696 | 500 | 586 | 332 |
| 350A | 112263Z0LAC | | 1 | 2 x 120 | 696 | 500 | 586 | 332 |
| 400A | | 114663Z0LAC | 2 | 2 x 120 | 696 | 500 | 586 | 332 |
| 450A | 112263Z0LAC | | 1 | 2 x 240 | 696 | 500 | 586 | 332 |
| 500A | | 114663Z0LAC | 2 | 2 x 120 | 696 | 500 | 586 | 332 |
| 630A | | 114663Z0LAC | 3 | 2 x 240 | 696 | 500 | 586 | 332 |
| 700A | 110463Z0LAC | | 2 | 3 x 300 | 896 | 450 | 536 | 350 |
| 800A | | | 4 | 4 x 240 | 696 | 500 | 586 | 332 |
| 900A | 111863Z0LAC | | 3 | 3 x 300 | 896 | 450 | 536 | 350 |
| 1000A | | | 4-5 | 3 x 300 | | | | |

CAJAS DE ALIMENTACION FEED-IN BOX

ALIMENTACION INTERMEDIA IP 55 INTERMEDIATE FEED-IN BOX IP55

Se recomiendan en líneas de gran longitud para reducir la caída de tensión.

No es posible utilizar esta caja para la alimentación independiente de los dos tramos.

Se suministra en la versión 3F + N + PE.

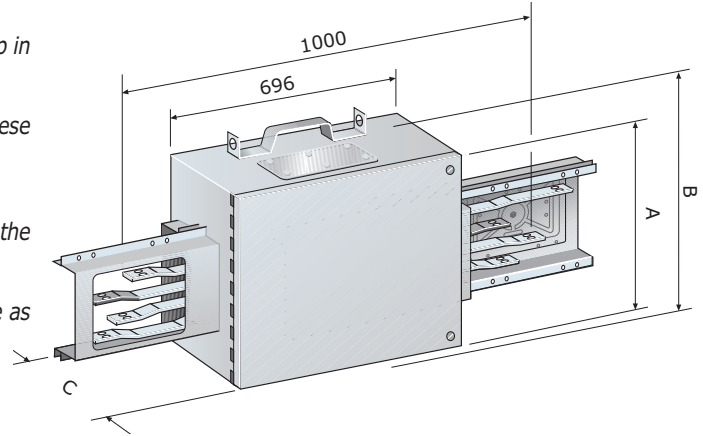
Desarrollo lineal = 1 m.

Used to reduce voltage drop in particularly long runs.

It's not possible to use these feed-in boxes to feed two independent runs.

This box is only available in the 3P+N+PE execution.

It takes up the same space as a standard 1 meter section (see drawing).



! ATENCION
la corriente total derivada desde los dos tramos de línea NUNCA debe superar la In de la caja de alimentación.

CAUTION:
the total current branched off the two sides of the run MUST NOT BE in excess of the rated current of the box

| Amperaje Rated I | COBRE COPPER | ALUMINIO ALUMINIUM | talla size | secc. Cables cable cross section | A (mm) | B (mm) | C (mm) |
|---------------------|-----------------|-----------------------|---------------|-------------------------------------|-----------|-----------|-----------|
| 250A | | 114553Z0LAC | 1 | 2 x 120 | 350 | 436 | 274,5 |
| 320A | | 114553Z0LAC | 1 | 2 x 120 | 350 | 436 | 274,5 |
| 350A | 112253Z0LAC | | 1 | 2 x 120 | 350 | 436 | 274,5 |
| 400A | | 114653Z0LAC | 2 | 2 x 240 | 450 | 536 | 419,5 |
| 450A | 112253Z0LAC | | 1 | 2 x 120 | 350 | 436 | 274,5 |
| 500A | | 114653Z0LAC | 2 | 2 x 240 | 450 | 536 | 419,5 |
| 630A | | 114453Z0LAC | 3 | 3 x 300 | 450 | 536 | 419,5 |
| 700A | 110453Z0LAC | | 2 | 2 x 240 | 450 | 536 | 419,5 |
| 800A | | | 4 | 2 x 240 | 450 | 536 | 419,5 |
| 900A | 111853Z0LAC | | 3 | 3 x 300 | 450 | 536 | 419,5 |
| 1000A | | | 4-5 | 3 x 300 | 450 | 536 | 419,5 |

CAJA UNIÓN INTERMEDIA CON SECCIONADOR/FUSIBLES IP 55 INTERMEDIATE JOINTING SWITCH BOX IP55 WITH ISOLATOR/FUSES

Permiten la unión entre dos líneas de diferente amperaje, sin tener que utilizar cables. El seccionador bajo carga (interruptor de maniobra) permite dejar sin tensión la canalización de capacidad inferior.

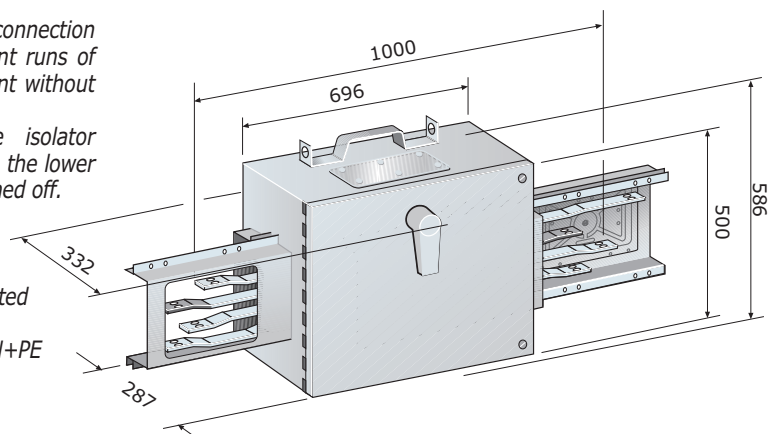
Los fusibles, del tipo NH, garantizan la protección de la canalización de capacidad inferior. Se suministra en la versión 3F + N + PE.

(Consultar unión con BS ref 110000/114000)

It provides for the connection between two different runs of different rated current without using cables.

By means of the isolator (switch) the run with the lower current can be switched off.

NH fuses assure the protection of the run with the lower rated current. It is only available in the 3P+N+PE execution.



! Ver en la página 6 las tallas de las canalizaciones.

Es necesario especificar los amperajes de los dos tramos de línea y cómo se presentan los dos extremos de los tramos a empalmar (taladros /tuercas).

! For the sizes of the busbar sections go to page 6.

When you place the order you must specify the rated current of the two runs between which the box is to be placed. Also specify the type of ends (eyed or bolted).

| Referencia Code | Conexión entre Connection type for |
|--------------------|---------------------------------------|
| 115460Z0LAD | Talla 1 - Talla 1 |
| 115461Z0LAD | Talla 1 - Talla 2 |
| 115462Z0LAD | Talla 2 - Talla 2 |
| 115463Z0LAD | Talla 3 - Talla 1 |
| 115464Z0LAD | Talla 3 - Talla 2 |
| 115465Z0LAD | Talla 3 - Talla 3 |
| 110066Z0LAD | Talla 4 - Talla 1 |
| 110067Z0LAD | Talla 4 - Talla 2 |
| 110068Z0LAD | Talla 4 - Talla 3* |
| 110069Z0LAD | Talla 4 - Talla 4* |

CAJAS DE DERIVACION

TAP-OFF UNITS

CAJAS DE DERIVACION PLUG IN CON PORTAFUSIBLES - SECCIONADOR EN VACIO
STANDARD TAP-OFF UNIT WITH FUSEHOLDE

GRADO DE PROTECCION IP55

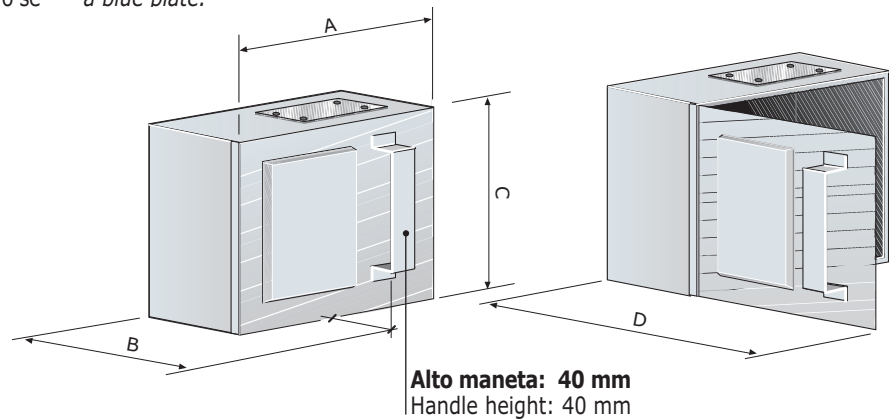
IP55 PROTECTION DEGREE

La caja de derivación tripolar se identifica con el color rojo en su tapa.

The 3P tap-off box is identified by a red plate on the cover.

La caja de derivación tripolar más neutro se identifica con el color azul en su tapa.

The 3P+N box is identified by a blue plate.



| Cajas para fusibles CH Tap-off plugs for CH fuses | | | | fusibles fuses | Dim. Exteriores Maximum sizes | | | | Máxima Secc. Cables Max cable cross sec. | |
|--|-------------|--|---|-------------------|----------------------------------|------|------|------|---|--------------------|
| Amperaje Rated I | 3F + PE | 3F + N + PE N DIRECTO direct neutral | 3F + N + PE N SECCIONADO broken neutral | Tipo Type | A | B | C | D | Fase Phase | Neutro Neutral |
| | | | | | (mm) | (mm) | (mm) | (mm) | (mm ²) | (mm ²) |
| 32A | | | 111340ZOLAB | 10,3/38 | 205 | 80 | 185 | 386 | 25 | 25 |
| 40A | 110540ZOLAC | 111840ZOLAE | 110640ZOLAC | 14/51 | 330 | 140 | 190 | 386 | 25 | 25 |
| 80A | 110541ZOLAC | 111841ZOLAE | 110641ZOLAC | 22/58 | 330 | 140 | 190 | 386 | 25 | 25 |
| 100A | 111142ZOLAA | | 111342ZOLAA | 22/58 | 330 | 140 | 190 | 386 | 50 | 50 |

| Cajas para fusibles NH Tap-off plugs for NH fuses | | | | fusibles fuses | Dim. Exteriores Maximum sizes | | | | Máxima Secc. Cables Max cable cross sec. | |
|--|-------------|--|---|-------------------|----------------------------------|------|------|------|---|--------------------|
| Amperaje Rated I | 3F + PE | 3F + N + PE N DIRECTO direct neutral | 3F + N + PE N SECCIONADO broken neutral | Tipo Type | A | B | C | D | Fase Phase | Neutro Neutral |
| | | | | | (mm) | (mm) | (mm) | (mm) | (mm ²) | (mm ²) |
| 125A | 110542ZOLAB | 110842ZOLAA | 110642ZOLAB | 0 | 410 | 140 | 190 | 470 | 50 | 50 |
| 200A | 110143ZOLAC | 110643ZOLAC | 110343ZOLAC | 1 | 466 | 190 | 260 | 580 | 150 | 70 |
| 250A | 110144ZOLAC | 110644ZOLAA | 110344ZOLAC | 1 | 671 | 180 | 260 | 785 | 150 | 70 |

| Cajas para fusibles VDE Tap-off plugs for VDE fuses | | | | fusibles fuses | Dim. Exteriores Maximum sizes | | | | Máxima Secc. Cables Max cable cross sec. | |
|--|-------------|--|---|-------------------|----------------------------------|------|------|------|---|--------------------|
| Amperaje Rated I | 3F + PE | 3F + N + PE N DIRECTO direct neutral | 3F + N + PE N SECCIONADO broken neutral | DIAZED DIAZED | A | B | C | D | Fase Phase | Neutro Neutral |
| | | | | | (mm) | (mm) | (mm) | (mm) | (mm ²) | (mm ²) |
| 25A | 110740ZOLAA | 110940ZOLAA | 110840ZOLAC | E 27 | 330 | 140 | 190 | 386 | 10 | 50 |
| 63A | 110741ZOLAA | 110941ZOLAA | 110841ZOLAC | E 33 | 330 | 140 | 190 | 386 | 25 | 50 |

| Cajas para fusibles NEMA Tap-off plugs for NEMA | | | | fusibles fuses | Dim. Exteriores Maximum sizes | | | | Máxima Secc. Cables Max cable cross sec. | |
|--|-------------|--|---|-------------------|----------------------------------|------|------|------|---|--------------------|
| Amperaje Rated I | 3F + PE | 3F + N + PE N DIRECTO direct neutral | 3F + N + PE N SECCIONADO broken neutral | Tipo Type | A | B | C | D | Fase Phase | Neutro Neutral |
| | | | | | (mm) | (mm) | (mm) | (mm) | (mm ²) | (mm ²) |
| 30A | 110140ZOLAC | 111940ZOLAB | 110340ZOLAC | 30 | 330 | 140 | 190 | 386 | 25 | 25 |
| 60A | 110141ZOLAC | 111941ZOLAB | 110341ZOLAC | 60 | 330 | 140 | 190 | 386 | 25 | 25 |
| 100A | 110142ZOLAB | - | 110342ZOLAC | 100 | 410 | 140 | 190 | 470 | 50 | 50 |

| Caja derivación base vacía Tap-off plugs empty base | | | | fusibles fuses | Dim. Exteriores Maximum sizes | | | | Máxima Secc. Cables Max cable cross sec. | |
|--|---------|--|---|-------------------|----------------------------------|------|------|------|---|--------------------|
| Amperaje Rated I | 3F + PE | 3F + N + PE N DIRECTO DIRECT NEUTRAL | 3F + N + PE N SECCIONADO BROKEN NEUTRAL | Tipo Type | A | B | C | D | Fase Phase | Neutro Neutral |
| | | | | | (mm) | (mm) | (mm) | (mm) | (mm ²) | (mm ²) |
| 250A | - | - | 110344ZOLAE | - | 671 | 180 | 260 | 785 | 150 | 70 |

CAJAS DE DERIVACION TAP-OFF UNITS

CAJAS DE DERIVACION CON INTERRUPTOR MANUAL Y PORTAFUSIBLES TAP-OFF PLUG WITH ISOLATOR/FUSEHOLDER

GRADO DE PROTECCION IP 31 - IP55 IP55 - IP 31 PROTECTION DEGREE

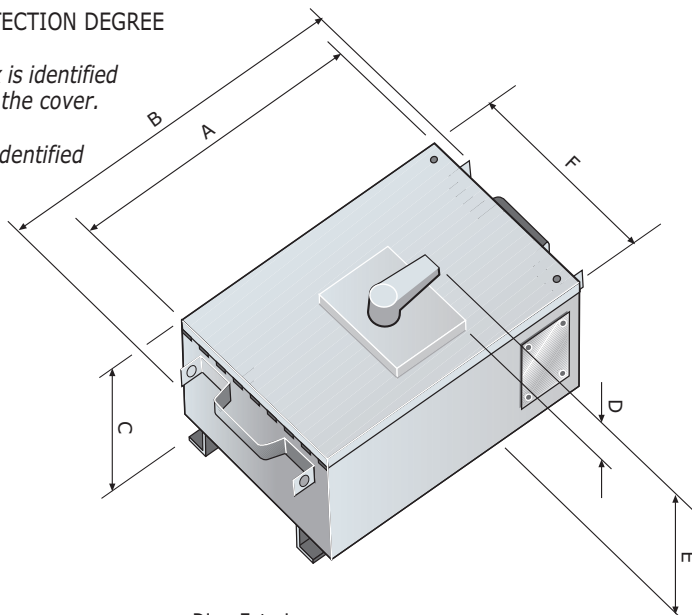
La caja de derivación tripolar se identifica con el color rojo en su tapa.

The 3P tap-off box is identified by a red plate on the cover.

La caja de derivación 3P+NEUTRO se identifica con el color azul en su la tapa.

The 3P+N box is identified by a blue plate.

La maneta exterior permite seccionar en carga.



Dim. Exteriores
maximum clearing size

| Amperaje Rated I | Referencia Code | Configuración executions | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | Sección cable cable cross sec. | Fusibles Fuses | |
|---------------------|--------------------|-----------------------------|-------------|-----------|-----------|-----------|-----------|-----------|-----------------------------------|-------------------------|-------|
| IP55 | 125A | 114370ZOLAB | 3P+PE | 450 | - | 193 | 36 | 276 | 258 | 1 x 75 mm ² | NH-00 |
| | 125A | 114470ZOLAB | 3P+Nsecc+PE | 450 | - | 193 | 36 | 276 | 258 | 1 x 75 mm ² | NH-00 |
| | 125A | 114570ZOLAB | 3P+Ndir+PE | 450 | - | 193 | 36 | 276 | 258 | 1 x 75 mm ² | NH-00 |
| | 200A | 114371ZOLAB | 3P+Pe | 660 | 744 | 250 | 132 | 382 | 356 | 1 x 150 mm ² | NH-1 |
| | 200A | 114471ZOLAB | 3P+Nsecc+PE | 660 | 744 | 250 | 132 | 382 | 356 | 1 x 150 mm ² | NH-1 |
| | 200A | 114571ZOLAB | 3P+Ndir+PE | 660 | 744 | 250 | 132 | 382 | 356 | 1 x 150 mm ² | NH-1 |
| | 315A | 114372ZOLAA | 3P+PE | 650 | 736 | 322 | 132 | 505 | 494 | 2 x 180 mm ² | NH-2 |
| | 315A | 114472ZOLAA | 3P+Nsecc+PE | 650 | 736 | 322 | 132 | 505 | 494 | 2 x 180 mm ² | NH-2 |
| | 315A | 114572ZOLAA | 3P+Ndir+PE | 650 | 736 | 322 | 132 | 505 | 494 | 2 x 180 mm ² | NH-2 |
| | 400A | 114374ZOLAA | 3P+PE | 650 | 736 | 322 | 45 | 418 | 494 | 2 x 180 mm ² | NH-3 |
| | 400A | 114474ZOLAA | 3P+Nsecc+PE | 650 | 736 | 322 | 45 | 418 | 494 | 2 x 180 mm ² | NH-3 |
| | 400A | 114574ZOLAA | 3P+Ndir+PE | 650 | 736 | 322 | 45 | 418 | 494 | 2 x 180 mm ² | NH-3 |
| IP31 | 400A | 114373Z0FAA | 3P+PE | 650 | 736 | 322 | 45 | 418 | 494 | 2 x 180 mm ² | NH-2 |
| | 400A | 114473Z0FAA | 3P+Nsecc+PE | 650 | 736 | 322 | 45 | 418 | 494 | 2 x 180 mm ² | NH-2 |
| | 400A | 114573Z0FAA | 3P+Ndir+PE | 650 | 736 | 322 | 45 | 418 | 494 | 2 x 180 mm ² | NH-2 |
| | 630A | 114375Z0FAA | 3P+PE | 650 | 736 | 322 | 45 | 418 | 494 | 3 x 240 mm ² | NH-3 |
| | 630A | 114475Z0FAA | 3P+Nsecc+PE | 650 | 736 | 322 | 45 | 418 | 494 | 3 x 240 mm ² | NH-3 |
| | 630A | 114575Z0FAA | 3P+Ndir+PE | 650 | 736 | 322 | 45 | 418 | 494 | 3 x 240 mm ² | NH-3 |

- ! Las cajas tipo plug-in hasta 250A pueden ser insertadas o retiradas con tensión en el conductor.
Las cajas de 400A y 630A deben ser insertadas o retiradas sin tensión en el conductor.

CAJAS DE DERIVACION

TAP-OFF UNITS

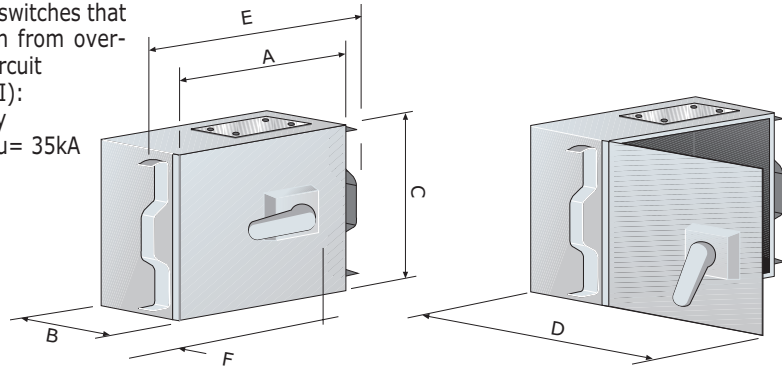
CAJAS DE DERIVACION CON INTERRUPTOR AUTOMATICO

TAP-OFF PLUGS WITH MCCB'S

GRADO DE PROTECCION IP55 IP55 PROTECTION DEGREE

!
Cajas equipadas con interruptores automáticos dotados de desconectores con microprocesador, que aseguran la protección contra sobrecarga y cortocircuito instantáneo (func. L e I). Poder de interrupción a la tensión de 380/415 V
Icu = 35 kA

!
Tap-off plugs equipped with MCCB with microswitches that assure protection from overload and short-circuit (functions L and I):
Breaking capacity at 380/415 V: Icu= 35kA



Dim. Exteriores
maximum clearing size

| Amperaje Rated I | 3F + PE | 3F + N + PE N DIRECTO direct neutral | 3F + N + PE N SECCIONADO broken neutral | A (mm) | B (mm) | C (mm) | D (mm) | E (mm) | F (mm) | Secc. Cables cable cross section (mm ²) |
|---------------------|-------------|--|---|-----------|-----------|-----------|-----------|-----------|-----------|---|
| 250A | 110963Z0LAA | 110983Z0LAA | 110973Z0LAA | 678 | 227 | 340 | 910 | 764 | 50 | 1 x 120 |
| 400A | 110964Z0LAA | 111984Z0LAA | 110974Z0LAA | 650 | 330 | 488 | 980 | 736 | 50 | 2 x 95 |
| 630A | 111978Z0LAA | 111976Z0LAA | 111977Z0LAA | 650 | 330 | 488 | 980 | 736 | 63 | 3 x 240 |

UNIDAD DE DERIVACION "CUADRO" PARA EQUIPAR PROTECCIONES MODULARES "SWITCHBOARD" TAP-OFF

GRADO DE PROTECCION IP55 IP55 PROTECTION DEGREE

Equipable a voluntad con aparellaje modular.

It can be equipped with MCB's

Predispuesta para aceptar hasta 12 módulos DIN.

It fits up to 12 DIN modules

Guía DIN de fijación integrada.

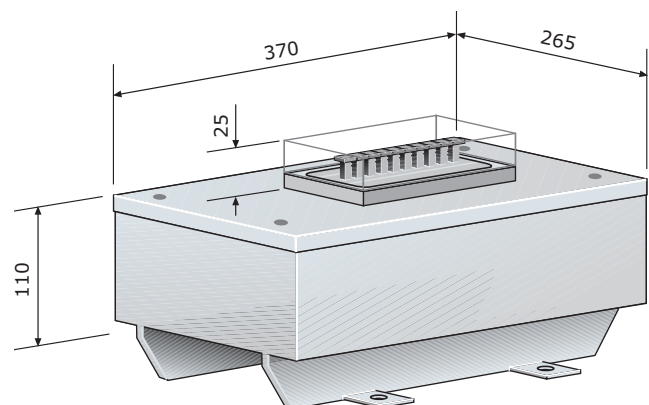
DIN rail incorporated

!
Atención: aparellaje bajo tensión con la tapa abierta.

!
CAUTION: equipment live when the cover is open.

Para más información, contacten al servicio de ventas.

For further information consult our sales department.

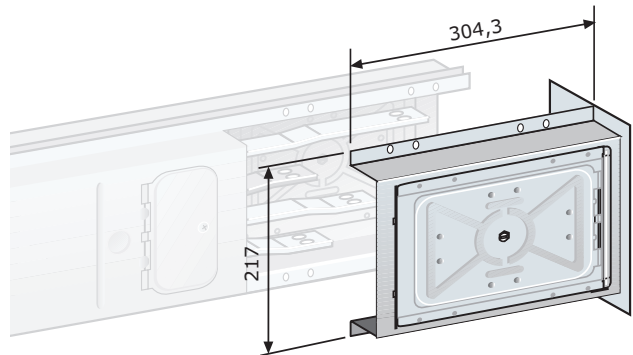


| Amperaje Rated I | Referencia Code | Polos Phase | IP IP | Módulos DIN DIN modules |
|---------------------|--------------------|----------------|----------|----------------------------|
| 63A | 112252Z0LAA | 4P | 55 | 12 |
| 100A | 112352Z0LAA | 4P | 55 | 12 |
| 125A | 112452Z0LAA | 4P | 55 | 12 |

COMPLEMENTOS DE LA LINEA ACCESSORIES

COBERTOR DE EXTREMIDAD - IP55 END COVER - IP55

| Amperaje Rated I | COBRE COPPER | ALUMINIO ALUMINIUM |
|---------------------|-----------------|-----------------------|
| 250A | | 110110Z0LAF |
| 320A | 110110Z0LAF | |
| 350A | 110110Z0LAF | 110210Z0LAF |
| 400A | 110110Z0LAF | |
| 450A | 110110Z0LAF | |
| 500A | | 110210Z0LAF |
| 630A | | 113410Z0LAF |
| 700A | 110210Z0LAF | |
| 800A | | 113710Z0LAF |
| 900A | 113410Z0LAF | |
| 1000A | 113710Z0LAF | 116010Z0LAF |



ABRAZADERAS DE SUSPENSION HANGER

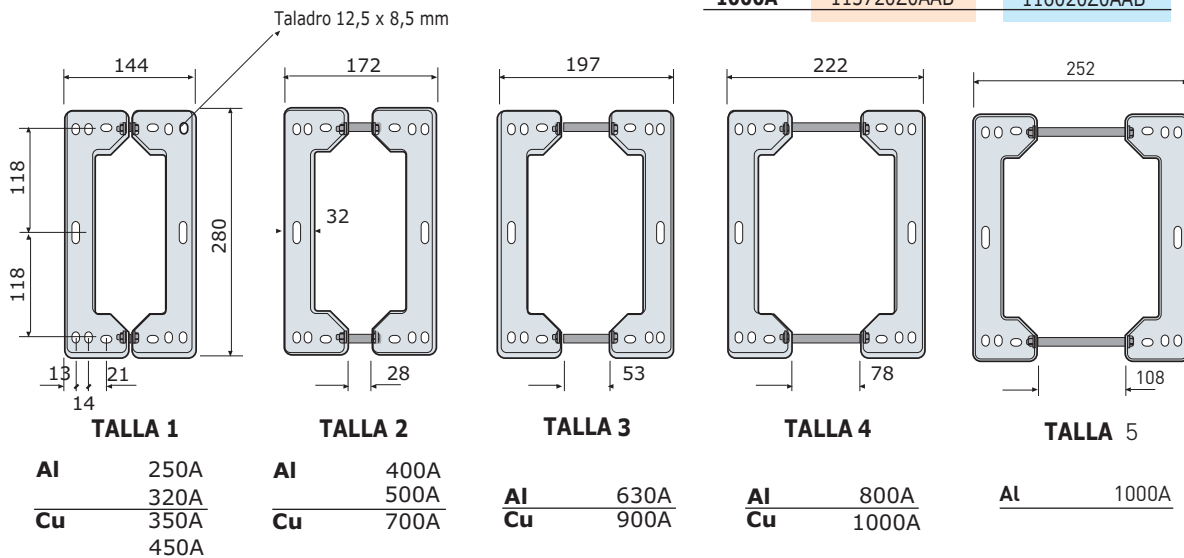
Para la suspensión de líneas de canto emplear una abrazadera cada 3m.

Para la suspensión de líneas de plano emplear una abrazadera cada 2m.

For edgewise installation use a hanger every 3 meters.

For flatwise installation use a hanger every 2 meters.

| Amperaje Rated I | COBRE COPPER | ALUMINIO ALUMINIUM |
|---------------------|-----------------|-----------------------|
| 250A | | 110120Z0AAB |
| 320A | | 110120Z0AAB |
| 350A | 110120Z0AAB | |
| 400A | | 110220Z0AAB |
| 450A | 110120Z0AAB | |
| 500A | | 110220Z0AAB |
| 630A | | 113420Z0AAB |
| 700A | 110220Z0AAB | |
| 800A | | 113720Z0AAB |
| 900A | 113420Z0AAB | |
| 1000A | 113720Z0AAB | 116020Z0AAB |



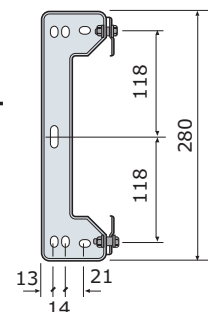
ABRAZADERA REDUCIDA DE SUSPENSION HALF HANGER

Disponible para todos los modelos de BLINDOSBARRA salvo para 630 ÷ 1000 A.

Usable with all types of Blindosbarra except 630 A on up.

Referencia **110121Z0AAB**

Code **110121Z0AAB**

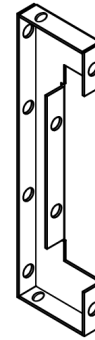


ABRAZADERA ANCHA DE SUSPENSION WIDE HANGER

Dispone de taladros en diferentes planos para facilitar su fijación.

En la imagen se representa la mitad de una abrazadera ancha, para ver todos sus taladros; solicitar imagen de abrazadera completa y sus dimensiones al Dpto. Técnico de DELETEC.

| Amperaje Rated I | COBRE COPPER | ALUMINIO ALUMINIUM |
|---------------------|-----------------|-----------------------|
| 250 A | | 110123Z0AAB |
| 320 A | | 110123Z0AAB |
| 350 A | 110123Z0AAB | |
| 400 A | | 110223Z0AAB |
| 450 A | 110123Z0AAB | |
| 500 A | | 110223Z0AAB |
| 630 A | | 110323Z0AAB |
| 700 A | 110223Z0AAB | |
| 800 A | | 110423Z0AAB |
| 900 A | 110323Z0AAB | |
| 1000 A | 110423Z0AAB | 110523Z0AAB |



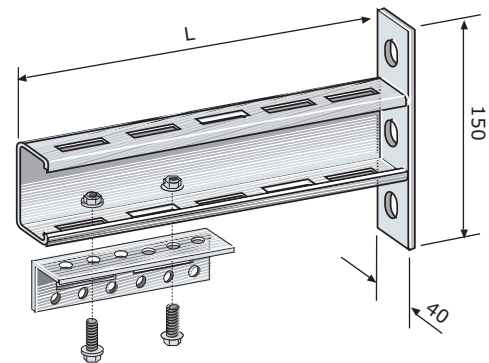
SOPORTES BRACKETS

Dependiendo de las exigencias de la instalación, Pogliano puede suministrar soportes para las abrazaderas del BLINDOSBARRA.

For special needs Pogliano can supply special brackets designed to fit the standard hangers of Blindosbarra.

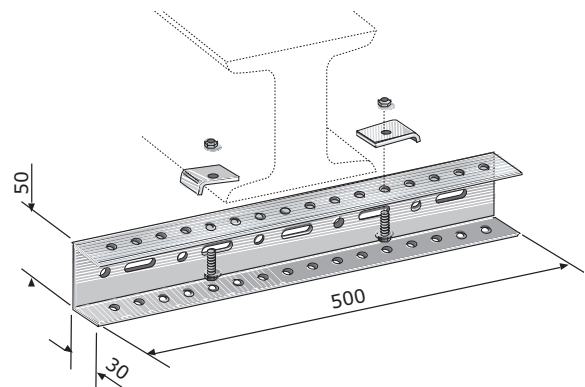
SOPORTE A PARED WALL BRACKET

| | Referencia code |
|------------|--------------------|
| L = 600 mm | 901001Z0AAA |
| L = 750 mm | 901002Z0AAA |



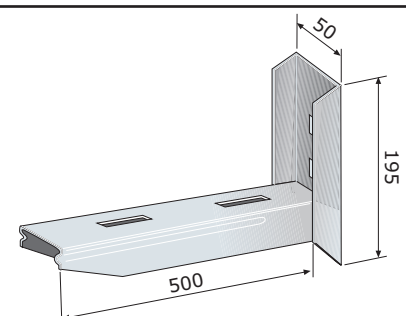
SOPORTE A VIGA 500 mm TRUSS-BEAM BRACKET 500 MM

| | Referencia code |
|------------|--------------------|
| L = 500 mm | 901008Z0AAA |



SOPORTE FAST 500 mm FAST BRACKET 500 MM

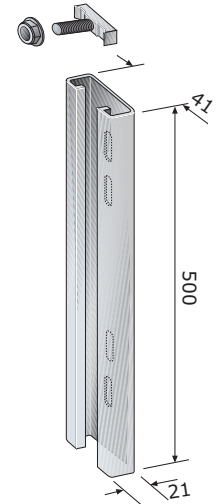
| | Referencia code |
|------------|--------------------|
| L = 500 mm | 901013Z0AAA |



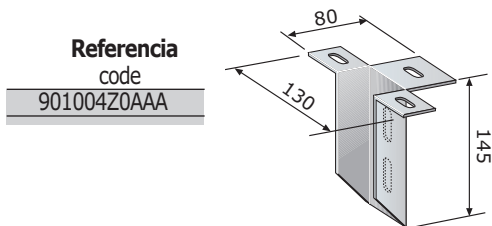
SOPORTES BRACKETS

PERFIL VERTICAL CON GANCHOS DE AMARRE VERTICAL PROFILE 500 MM HOOKS

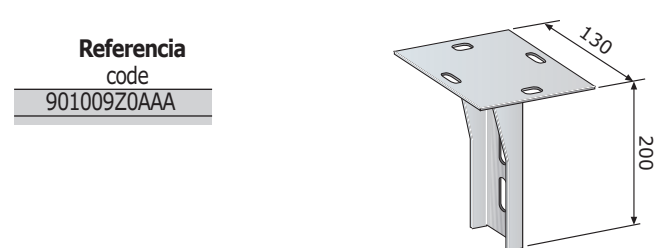
| Referencia code | |
|--------------------|-------------|
| L = 500 mm | 901003Z0AAA |



SOPORTE A TECHO CEILING FLANGE



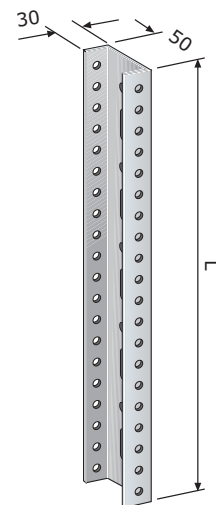
SOPORTE A TECHO REFORZADO HEAVY DUTY FLANGE



PERFIL EN U U PROFILE

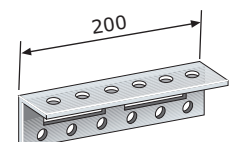
Perfil para soporte a techo. Profile for ceiling flange

| Referencia code | |
|--------------------|-------------|
| L = 500 mm | 901005Z0AAA |
| L = 1000 mm | 901006Z0AAA |
| L = 2000 mm | 901007Z0AAA |



PLACA UNIVERSAL UNIVERSAL PLATE

| Referencia code | |
|--------------------|-------------|
| L = 500 mm | 901010Z0AAA |



DATOS TECNICOS - COBRE

TECHNICAL DATA - COPPER

3P + PE - 3P + N + PE

| | | | | | | | |
|--|--------------|--|------------|------------|------------|------------|-------------|
| Grado de protección <i>Protection Degree IP</i> | IP | | 55 | 55 | 55 | 55 | 55 |
| Intensidad nominal <i>Rated Current</i> | In (A) | | 350 | 450 | 700 | 900 | 1000 |
| Sección conductores de fase <i>Phase cross section</i> | SF (mmq) | | 156 | 219 | 300 | 450 | 600 |
| Sección conductores de neutro <i>Neutral cross section</i> | SN (mmq) | | 97 | 219 | 220 | 450 | 600 |
| Sección conductor de protección (mm ² Fe) <i>Protective conductor cross section</i> | SPE | | 500 | 500 | 650 | 770 | 845 |
| Sección conductor de protección (mm ² Cu) <i>Protective conductor cross section</i> | SPE | | 52 | 52 | 67,2 | 80,1 | 88 |
| Tensión nominal de aislamiento <i>Insulation rated voltage</i> | Ui (V) | | 1000 | 1000 | 1000 | 1000 | 1000 |
| Tensión de prueba dieléctrica en c.a. <i>Dielectric test voltage</i> | Ueff (V) | | 3500 | 3500 | 3500 | 3500 | 3500 |
| Corriente admisible de breve duración (1s) en la fase <i>Short-circuit rated current (short-time)</i> | ICW 1s (KA)* | | 25 | 25 | 30 | 35 | 35 |
| Corriente admisible de breve duración (1s) en el neutro <i>Short-circuit rated current (short-time)</i> | ICW 1s (KA)* | | 15 | 15 | 18 | 21 | 21 |
| Corriente admisible de breve duración (1s) en PE <i>Short-circuit rated current (short-time)</i> | ICW 1s (KA)* | | 15 | 15 | 18 | 21 | 21 |
| Corriente de pico admisible para cortocircuito entre fases <i>Short-circuit rated current (peak)</i> | Ipk (KA)** | | 51 | 51 | 61 | 71 | 71 |
| Corriente de pico admisible para cortocircuito fase-N <i>Short-circuit rated current (peak)</i> | Ipk (KA)** | | 31 | 31 | 37 | 43 | 43 |
| Corriente de pico admisible para cortocircuito fase-PE <i>Short-circuit rated current (peak)</i> | Ipk (KA)** | | 31 | 31 | 37 | 43 | 43 |
| Energía específica admisible de breve duración (1s) en la fase <i>Specific energy (short-time)</i> | (A2s)* 106 | | 625 | 625 | 900 | 1225 | 1225 |
| Energía específica admisible de breve duración (1s) en el neutro <i>Specific energy (short-time)</i> | (A2s)* 106 | | 375 | 375 | 540 | 735 | 735 |
| Energía específica admisible de breve duración (1s) en PE <i>Specific energy (short-time)</i> | (A2s)* 106 | | 375 | 375 | 540 | 735 | 735 |
| Resistencia de fase (mΩ/100m) (1) <i>Phase resistance</i> | rF | | 11,9 | 8,4 | 6,0 | 4,0 | 3,0 |
| Resistencia de fase (mΩ/100m) (2) <i>Phase resistance</i> | rF | | 15,4 | 10,9 | 8,2 | 5,4 | 4,1 |
| Reactancia de fase (mΩ/100m) <i>Phase reactance</i> | xF | | 17,4 | 17,4 | 13,4 | 10,6 | 8,4 |
| Impedancia de fase (mΩ/100m) <i>Phase impedance</i> | zF | | 23,5 | 20,5 | 16,2 | 12,3 | 9,35 |
| Resistencia de bucle de defecto Fase-N <i>Fault loop resistance</i> | (mΩ/100m) | | 40,2 | 21,8 | 19,4 | 10,8 | 6,0 |
| Reactancia de bucle de defecto Fase-N <i>Fault loop reactance</i> | (mΩ/100m) | | 20,9 | 20,9 | 16,1 | 12,7 | 10,0 |
| Impedancia de bucle de defecto Fase-N <i>Fault loop impedance</i> | (mΩ/100m) | | 45,3 | 30,2 | 25,2 | 16,7 | 11,7 |
| Resistencia de bucle de defecto (mΩ/100m)*** <i>Fault loop resistance</i> | rsp | | 46 | 42 | 32 | 28 | 24,5 |
| Reactancia de bucle de defecto (mΩ/100m)*** <i>Fault loop reactance</i> | xsp | | 67 | 66 | 53 | 46 | 40 |
| Impedancia de bucle de defecto (mΩ/100m)*** <i>Fault loop impedance</i> | zsp | | <84 | <81 | <65 | <56 | <46,9 |
| Peso (Kg/m) <i>Mass</i> | 3F + PE | | 9,2 | 10,9 | 14,7 | 19,0 | 23,3 |
| Peso (Kg/m) <i>Mass</i> | 3F + N + PE | | 10,0 | 12,8 | 16,7 | 23,0 | 29,3 |

* valor eficaz de la componente simétrica

** valor de pico del primer semiperíodo

*** indican el valor de resistencia, reactancia e impedancia de bucle de defecto fase-PE de una línea Blindosbarra de longitud = 100 m (bucle de defecto de longitud = 200 m).

(1) Valor medido en corriente continua a régimen térmico alcanzado con la corriente nominal

(2) Valor medido a 50 Hz a régimen térmico alcanzado con la corriente nominal

* R.m.s. value

** Peak (first half-period)

*** Values of resistance, reactance and impedance of a fault loop phase-PE in a Blindosbarra run of 100 meters (which means that the fault loop is 200 meters long).

(1) Value measured in direct current after reaching thermal balance at rated current

(2) Value measured at 50 Hz after reaching thermal balance at rated current

DATOS TECNICOS - ALUMINIO

TECHNICAL DATA - ALUMINIUM

3P + PE - 3P + N + PE

| | | | | | | | | |
|--|-----------------------|------------|------------|------------|------------|------------|------------|-------------|
| Grado de protección <i>Protection Degree IP</i> | IP | 55 | 55 | 55 | 55 | 55 | 55 | 55 |
| Intensidad nominal <i>Rated Current</i> | In (A) | 250 | 320 | 400 | 500 | 630 | 800 | 1000 |
| Sección conductores de fase <i>Phase cross section</i> | SF (mm ²) | 156 | 238 | 300 | 350 | 525 | 700 | 839 |
| Sección conductores de neutro <i>Neutral cross section</i> | SN (mm ²) | 156 | 238 | 300 | 350 | 525 | 700 | 839 |
| Sección conductor de protección (mm ² Fe) <i>Protective conductor cross section</i> | SPE | 500 | 500 | 650 | 650 | 770 | 845 | 1099 |
| Sección conductor de protección (mm ² Cu) <i>Protective conductor cross section</i> | SPE | 52 | 52 | 67,6 | 67,6 | 80,1 | 88 | 138 |
| Tensión nominal de aislamiento <i>Insulation rated voltage</i> | Ui (V) | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |
| Tensión de prueba dieléctrica en c.a. <i>Dielectric test voltage</i> | Ueff (V) | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 | 3500 |
| Corriente admisible de breve duración (1s) en la fase <i>Short-circuit rated current (short-time)</i> | ICW 1s (KA)* | 25 | 25 | 30 | 30 | 35 | 35 | 35 |
| Corriente admisible de breve duración (1s) en el neutro <i>Short-circuit rated current (short-time)</i> | ICW 1s (KA)* | 15 | 15 | 18 | 18 | 21 | 21 | 21 |
| Corriente admisible de breve duración (1s) en PE <i>Short-circuit rated current (short-time)</i> | ICW 1s (KA)* | 15 | 15 | 18 | 18 | 21 | 21 | 21 |
| Corriente de pico admisible para cortocircuito entre fases <i>Short-circuit rated current (peak)</i> | Ipk (KA)** | 51 | 51 | 61 | 61 | 71 | 71 | 71 |
| Corriente de pico admisible para cortocircuito fase-N <i>Short-circuit rated current (peak)</i> | Ipk (KA)** | 31 | 31 | 37 | 37 | 43 | 43 | 43 |
| Corriente de pico admisible para cortocircuito fase-PE <i>Short-circuit rated current (peak)</i> | Ipk (KA)** | 31 | 31 | 37 | 37 | 43 | 43 | 43 |
| Energía específica admisible de breve duración (1s) en la fase <i>Specific energy (short-time)</i> | (A2s)* 106 | 625 | 625 | 900 | 900 | 1225 | 1225 | 1225 |
| Energía específica admisible de breve duración (1s) en el neutro <i>Specific energy (short-time)</i> | (A2s)* 106 | 375 | 375 | 540 | 540 | 735 | 735 | 441 |
| Energía específica admisible de breve duración (1s) en PE <i>Specific energy (short-time)</i> | (A2s)* 106 | 375 | 375 | 540 | 540 | 735 | 735 | 441 |
| Resistencia de fase (mΩ/100m) (1) <i>Phase resistance</i> | rF | 20,6 | 16,2 | 10,7 | 9,3 | 6,0 | 4,5 | 4,7 |
| Resistencia de fase (mΩ/100m) (2) <i>Phase resistance</i> | rF | 27,0 | 18,2 | 13,6 | 11,6 | 8,2 | 6,15 | 4,1 |
| Reactancia de fase (mΩ/100m) <i>Phase reactance</i> | xF | 17,4 | 17,4 | 13,4 | 13,4 | 10,5 | 8,22 | 7,5 |
| Impedancia de fase (mΩ/100m) <i>Phase impedance</i> | zF | 32,3 | 25,2 | 19,5 | 17,7 | 13,6 | 10,3 | 8,5 |
| Resistencia de bucle de defecto fase-N <i>Fault loop resistance</i> | (mΩ/100m) | 54,0 | 36,4 | 27,2 | 23,2 | 16,4 | 12,3 | 9,4 |
| Reactancia de bucle de defecto fase-N <i>Fault loop reactance</i> | (mΩ/100m) | 20,9 | 20,9 | 16,1 | 16,1 | 12,6 | 9,86 | 9,0 |
| Impedancia de bucle de defecto fase-N <i>Fault loop impedance</i> | (mΩ/100m) | 57,9 | 42,0 | 31,6 | 28,2 | 20,7 | 15,8 | 13,0 |
| Resistencia de bucle de defecto (mΩ/100m)*** <i>Fault loop resistance</i> | rsp | 54 | 50 | 36 | 33 | 30 | 27 | 2,4 |
| Reactancia de bucle de defecto (mΩ/100m)*** <i>Fault loop reactance</i> | xsp | 76 | 72 | 56 | 53 | 48 | 43 | 3,8 |
| Impedancia de bucle de defecto (mΩ/100m)*** <i>Fault loop impedance</i> | zsp | <97 | <91 | <70 | <63 | <59 | <51 | <4,49 |
| Peso (Kg/m) <i>Mass</i> | 3F + PE | 6,3 | 6,9 | 8,7 | 9,5 | 11,2 | 12,9 | - |
| Peso (Kg/m) <i>Mass</i> | 3F + N + PE | 6,7 | 7,6 | 9,5 | 10,4 | 12,6 | 14,8 | 16,9 |

- * valor eficaz de la componente simétrica
 ** valor de pico del primer semiperíodo
 *** indican el valor de resistencia, reactancia e impedancia de bucle de defecto fase-PE de una línea Blindosbarra de longitud = 100 m (bucle de defecto de longitud = 200 m).
 (1) Valor medido en corriente continua a régimen térmico alcanzado con la corriente nominal
 (2) Valor medido a 50 Hz a régimen térmico alcanzado con la corriente nominal

- * R.m.s. value
 ** Peak (first half-period)
 *** Values of resistance, reactance and impedance of a fault loop phase-PE in a Blindosbarra run of 100 meters (which means that the fault loop is 200 meters long).
 (1) Value measured in direct current after reaching thermal balance at rated current
 (2) Value measured at 50 Hz after reaching thermal balance at rated current

POGLIANOBUSBAR



DELETEC, S.L.

CANALIZACIONES ELECTRICAS PREFABRICADAS

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