



IMPACT

800A ÷ 5000A
ABU DHABI EDITION

B U S B A R T R U N K I N G S Y S T E M



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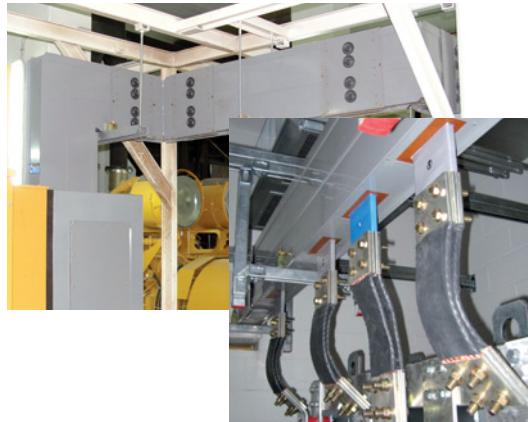
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Megabarre Group reserves the right to supply products that may differ in details from those shown in this publication, due to its policy of continuous development.



The IMPACT busbar trunking system is designed for power transport and distribution and is especially suitable in the electrical switchroom both as a transformer-switchboard or switchboard-switchboard connection and as the main power distribution system for industrial, commercial and service industry. The IMPACT ABU DHABI EDITION busbar trunking system is realized in the version with copper conductors and current ratings from 800A to 5000A granted with a maximum ambient temperature (daily average) of 50°C (55°C if you use insulation bars in F class/155°C). Thanks to a casing made with an aluminium alloy extruded profile which gives to the product great mechanical rigidity and resistance performances (with a very light weight), the product can be used in its standard configuration also in boundary ambient conditions. The standard product is offered in the 3P+N+Pe with the section equal to the phase section and with protection conductor (casing) with an equivalent section more than 100% of the phase cross-section. Phase and neutral conductors are made by one or two bars depending on the rated current. In case of two bars version, the bars are opportunely connected in parallel at each junction. They are also available the 3P+N+Fe/2+Pe version with a dedicated earth conductor with a cross-section equal to 50% of the phase cross-section, the 3P+N+Fe+Pe version with a dedicated earth conductor with cross-section equal to 100% of the phase cross-section and the 3P+2N+Pe version with the neutral conductor equal to 200% of the phase cross section. On request, copper conductors can be galvanically tin-or silver-plated along their entire length while the copper joint monoblock is always tin-plated and, on request, can be silver-plated. The IMPACT busbar trunking system is offered in the standard version painted RAL 7037.

The IMPACT busbar trunking systems are made with sandwich technology (COMPACT); the conductor bars are compacted without any space inside the casing and are fully insulated using a no hygroscopic halogen free polyester sheath (thermal class 150 °C), for uses in ambient till 50°C and 155°C, for uses in ambient till 55°C. This technology guarantees the products high performance in relation to voltage drop values even in high current and long runs. The standard protection degree is IP55 (on request IP66 only for transport lines without tap-off units). For outdoor installations an extra protection (canopy) is used. The electrical connection is achieved by a monoblock system with one or more bolts (depending of the busbar trunking rated current) with an anti-screwing spring which guarantees the electrical continuity between the units of the run. The self-breakable bolt is double headed; the first head is used for the installation (breaking at 85 Nm torque moment) carried out without any special tool, while the second head will be available for future maintenances and inspections. A visual signal (red tag) confirms the correct tension on the monoblock. The mechanical connection is achieved when the joint cover unit is completely installed, thus guaranteeing that the IP55 protection degree is achieved (on request IP66). A mechanical interlock device prevents the installer from completing the mechanical connection until the electrical connection is correctly completed. The joint monoblock doesn't need any maintenance.

WHY CHOOSE IMPACT?

ADVANTAGES

- Nominal rating guaranteed both for flat and edgewise installations (no derating)
- Nominal rating is related to an ambient temperature up to 50-55°C
- Protection degree guaranteed both for flat and edgewise installations
- Painted aluminium extruded alloy casing with high mechanical strength characteristics
- Maintenance free monoblock joint with tin plated copper contacts
- Smaller
- Lighter
- Customized on request
- An engineering department at your disposal for site measurements, trunking run evaluations and electrical equipment connection study (switchboard, transformer etc...).



A GREEN PRODUCT

The IMPACT trunking units are 100% reusable in case it is necessary to change its layout. 98% of the product material is recyclable and the distinctive production process is able to reduce manufacturing time and also minimise energy consumption according to common standards for minor environmental impact.



CONFORMS WITH:

- CEI-EN 61439 - 1/6
- IEC 61439 - 1/6
- CEI-EN 60529
- IEC 529
- EN 1366-3
- IEC 60331
- IEC 60332

The calculation of the operational current (I_b) for a three-phase system of an IMPACT busbar trunking IMPACT can be made using the following formula:

$$I_b = \frac{P \times F}{\sqrt{3} \times U_e \times \cos\varphi}$$

...and it has to consider the following parameters.

P total power of the feed load (W)

F feeding load contemporary factor

According to the feeding load quantity and to the placement (industrial, residential, service etc...) there is a coefficient that indicates the contemporary charge factor, even if, it is necessary to evaluate each case. Following please find some suggestions related to the number of loads and to the placement type:

PLACEMENT	NUMBER OF USERS	CONTEMPORARY FACTOR (F)
INDUSTRIAL	from 1 to 10	0,8 - 0,9
INDUSTRIAL	from 10 to 20	0,7 - 0,8
INDUSTRIAL	from 20 to 40	0,6 - 0,7
INDUSTRIAL	MORE THAN 40	0,5 - 0,4
SERVICE	BIG OFFICES	0,7 - 0,8
SERVICE	SHOPPING CENTERS	0,8 - 0,9

U_e operating voltage(V)

Example:	Placement	Service/shopping center
	User	N° 15
	Single user power	80 kW
	Voltage	400V
	Cosφ	0,95

$$I_b = \frac{P \times F}{\sqrt{3} \times U_e \times \cos\varphi}$$

total power 15x80=1200 kw → 1200000 W (P)
Contemporary factor 0.8 (F)

$$I_b = \frac{1200000 \times 0,8}{1,73 \times 400 \times 0,95} = 1460A$$

...approximately we suggest to calculate at least 20% of margin between the rating required and the nominal rating of the conductor according to possible expanding.

1460A + 20% = 1752A

The IMPACT busbar trunking that can be used as...

2000A Cu

...it is necessary to control the ambient temperature of the busbar placement.

The IMPACT conductors are dimensioned according to the max ambient temperature (daily average) of 50°C or 55°C with class F insulation.

According to the real ambient conditions, the conductor must be downgraded following this schedule.

K downgraded factor according to the ambient temperature (°C)

Ambient temperature * (°C)	50	55*	60	65	70
Downgraded K factor	1	1	0,84	0,75	0,6

Example. Ambient temperature (daily average) 60 °C

The IMPACT conductor 2000A has to be downgraded according to the K factor that is equal to 0,84.

2000 x 0,84 = 1680A

...if the ambient temperature is 60 °C, the 2000A conductor can be used with a maximum current not higher than 1680A.

If the value doesn't guarantee the maximum current required, it is necessary to choose a conductor with a higher rating.

* With class F insulation material

The selection of IMPACT conductor according to the voltage drop.

The selection of IMPACT busbar system must be made according to the maximum limit of voltage drop required by the specific reference.

The voltage drop calculation (ΔV percentage) for a three-phase system of an IMPACT busbar trunking system must be calculated following this formula:

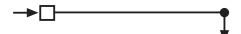
$$\Delta V\% = \frac{D \times t \times I_b \times L}{U_e} \times 100$$

and must consider these parameters

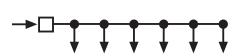
D Load distribution factor

according to the feeding point and the location of the loads to feed, there is a multiplier coefficient. This multiplier allows a quick calculation that must be considered approximate.

D=1 Feeding on one side and load at the end of the line. Feeder line



D=0,5 Feeding on one side and loads equally distributed along the length. Distribution line



t Unitary voltage drop value

according to a cosφ data, the following schedule contains the unitary voltage drop values for (μ V) 1 ampere for 1 meter of the IMPACT busbar trunking system. (calculated with 50°C ambient temperature)

	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
cosφ=0,70	108,49	108,49	74,36	65,83	60,97	42,78	45,20	36,65	25,60
cosφ=0,75	111,03	111,03	76,08	67,31	62,27	42,96	45,56	36,93	26,18
cosφ=0,80	113,14	113,14	77,50	68,51	63,32	42,90	45,67	37,02	26,64
cosφ=0,85	114,66	114,66	78,52	69,34	64,02	42,52	45,46	36,85	26,97
cosφ=0,90	115,29	115,29	78,92	69,63	64,20	41,65	44,76	36,27	27,08
cosφ=0,95	114,28	114,28	78,19	68,89	63,42	39,87	43,16	34,96	26,79
cosφ=1	103,80	103,80	70,93	62,28	57,09	32,87	36,33	29,41	24,22

I_b Addition of all the effective loads of the trunking busbar (A)

L Total length in meters of the busbar trunking (m)

U_e Feeding nominal voltage (V)

Example: IMPACT 2000A Cu busbar trunking verification with a distributed load

(L)	line length	80m
(I _b)	effective load	1752A
(U _e)	feeding voltage	400V
Cosφ		0,95
(D)	load distribution factor	0,5
(T)	Unitary voltage drop value for 2000A Cu	63,42 (V) 10 ⁻⁶
(ΔV)	maximum voltage drop admitted	2,5%

$$\Delta V\% = \frac{D \times t \times I_b \times L}{U_e} \times 100$$

$$\Delta V\% = 0,5 \times \frac{63,42 \times 10^{-6} \times 1752 \times 80}{400} \times 100$$

$$\Delta V\% = 0,5 \times \frac{63,42 \times 1752 \times 80}{400 \times 10^6} \times 100 = 1,1\%$$

The value is less than the max limit admitted (2,5%), so the verification is positive

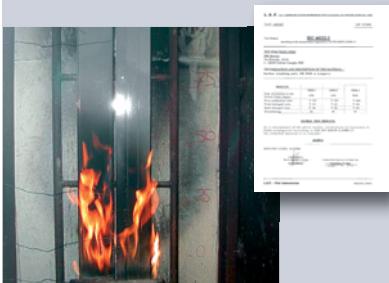
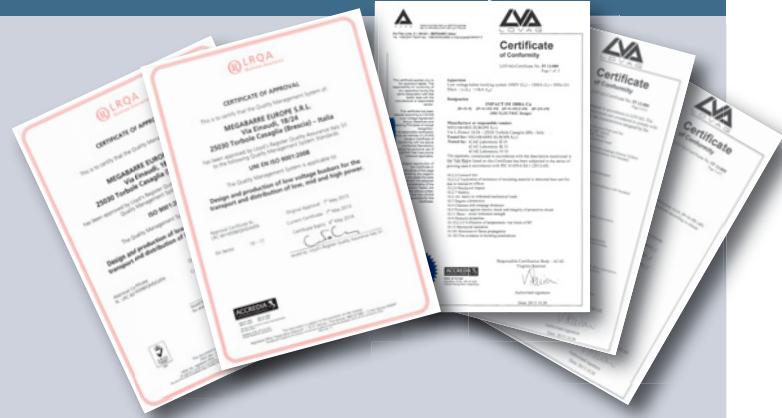
The IMPACT busbar trunking system is used for power transport and distribution and is especially suitable both in electrical cabins as a transformer-switchboard or switchboard-switchboard connection and in the main power distribution for industrial, commercial and service industry. The increasing evolution of the technology system over the modern market has made these products more and more efficient and able to satisfy the installation requirements and guarantee application reliability.

The demand for busbar trunking systems installation increases in public places such as hospitals, theaters, banks, schools etc... or in skyscrapers or on ships and in wind energy towers.

With IMPACT series, Megabarre wants to offer a "product ready for everything" investing in productive technology process, product material, product assistance and certification.

Please find below a complete list of certification for each rating in accordance with IEC 60439-1/IEC 60439-6:

- 10.2 Strength of materials and parts: Resistance to corrosion
- 10.2.3.2 Resistance to abnormal heat and fire due to internal electric effects
- 10.2.6 Mechanical impact
- 10.2.7 Marking
- 10.2.10.1 Ability to withstand mechanical loads
- 10.2.10.2 Thermal cycling test
- 10.3 Degree of protection of assembly
- 10.4 Clearances and creepage distances
- 10.5 Protection against electric shock and integrity of protective circuits
- 10.9 Dielectric properties
- 10.10.2.3.5 Verification of temperature rise limits of a BT run
- 10.10.2.3.6 Verification of temperature rise limits of a tap-off unit
- 10.11 Short-circuit withstand strength
- 10.13 Mechanical operation
- 10.101 Resistance to flame propagation
- 10.102 Fire resistance in building penetration



Test to verify the no propagation of flame according to the IEC 60332 norm.

This tests certifies that, when the IMPACT bus-bar trunking system is subjected to a direct flame, the flame itself does not propagate to a longer distance than 2,5 m.

Verification of compliance with EN 1366-3 in relation to when a busbar passes through a wall or floor that the limitation of smoke transmission, flame and temperature for a given time period is guaranteed.

Test time: 180 minutes
Certification: EI 180



Test to verify the flame-resistance with mechanical shock according to the IEC 60331 norm.

This test certifies that, when the IMPACT bus-bar trunking system is subjected to both a direct flame and a provoked impact, it insures the continuity of the energy distribution for a given period of time.

Test time: 45 minutes - 120 minutes - 180 minutes
Certified time:
45 minutes (standard trunking system);
120 minutes (specially insulated trunking system);
180 minutes (specially insulated trunking system).



The mapping of the electromagnetic field level according to the CEI 211-6 / 2001 norm.

The test verifies the emission of the electromagnetic field at variable distances from the trunking at a specified nominal rating.



Vibrations test according to the IEC 60068 norm.

This test certifies that the IMPACT busbar trunking system subjected to vibrations of 0,7 g and to 2 g along the three axis confirms its compliance with both the dielectric tests and the mechanical functioning tests.
Test value: 0,7 g / 2 g (acceleration).

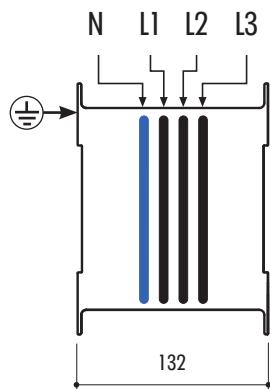


The Impact busbar trunking system is available in four distinctive configurations in which the neutral conductor's cross-section and the protection cross-section change according to needs.
The available versions are illustrated below with the compilation code.

	L1	L2	L3	N 100%	N 200%	clean earth FE 100%	extra earth FE 50%	Pe involutro casing
AAA	✓	✓	✓	✓				✓
BAA	✓	✓	✓	✓		✓		✓
GAA	✓	✓	✓	✓			✓	✓
DAA	✓	✓	✓	✓	✓			✓

To order these configurations, please substitute the code's final three letters in **bold** (**AAA**) with the ones of the configuration you want to require.

es. IMA04A01**AAA** → IMA04A01 - - - + **BAA** = IMA04A01**BAA**

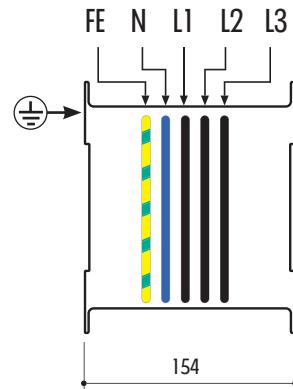


(AAA)

3P + N + PE (4P)

Neutral cross-section equal to 100% of the phase cross-section.
Equivalent casing cross-section (PE) greater than 100% of the phase cross-section.

Technical data see pg. 88-89

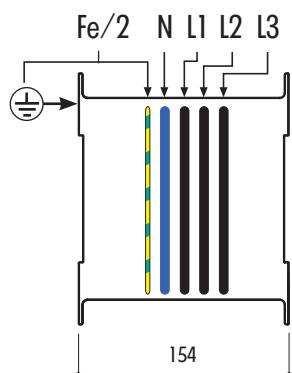


(BAA)

3P + N + FE + PE (5P)

Neutral cross-section equal to 100% of the phase cross-section.
Insulated protection cross-section(FE) equal to 100% of the phase cross-section.
Equivalent casing cross-section (PE) greater than 100% of the phase cross-section.

Technical data see pg. 90-91

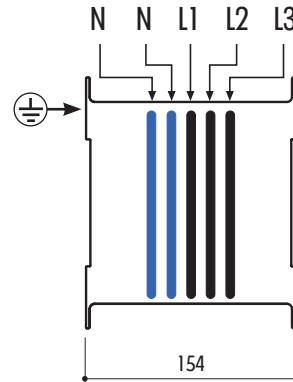


(GAA)

3P + N + FE/2 + PE (5P)

Neutral cross-section equal to 100% of the phase cross-section.
Protection cross-section (FE) (connected to the casing) equal to 50% of the phase cross-section.
Equivalent casing cross-section (PE) greater than 100% of the phase cross-section.

Technical data see pg. 92-93



(DAA)

3P + 2N + PE (5P)

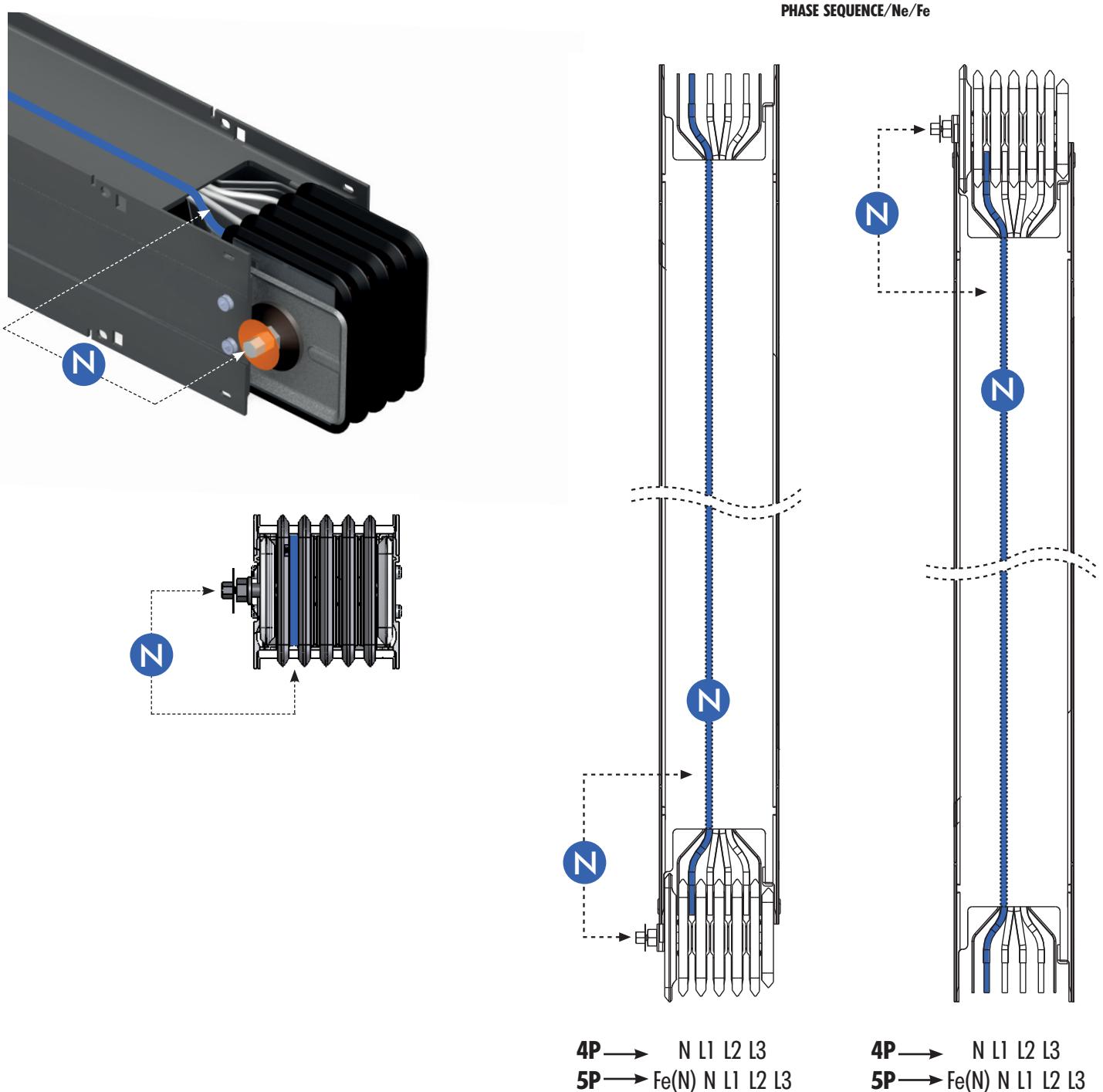
Neutral cross-section equal to 200% of the phase cross-section.
Equivalent casing cross-section (PE) greater than 100% of the phase cross-section.

Technical data see pg. 94-95

NEUTRAL POSITION

The active conductors N/L1/L2/L3 of the IMPACT busbar system, even though they have equal cross-sections (except the DAA version whose neutral is equal to 200% of the phase cross-section), they are fixed in the trunking units (straight elements, elbows etc.) with an unique position and identification. As a result, the neutral is always set according to the phases sequence N/L1/L2/L3, on the same side of the conductor where the joint monoblock bolt head is. This position is bent and maintained by the joint system between the two units (see page 98) that guarantees the order of the phase sequence from the beginning until the end of the line with a mechanical connection.

IN THE IMPACT SERIES, THE NEUTRAL COINCIDES WITH THE BOLT SIDE IN THE JOINT MONOBLOCK.



The continuous electrical systems evolution has transformed the traditional view of busbar trunking systems. At the beginning, it was used for high power transport but now also for electric energy distribution. One of the applications is in offices and residential buildings rising mains (skyscrapers) for energy distribution on various floors. The Impact line provides a large range of components and accessories to satisfy high-rise buildings applications. Our technical department is at your disposal to give technical support for correct application of components and/or accessories.



End cover unit (see pag. 74)

Distribution straight trunking unit with tap-off facilities on one side (see pag. 22)

Fire barrier (see pag. 76)

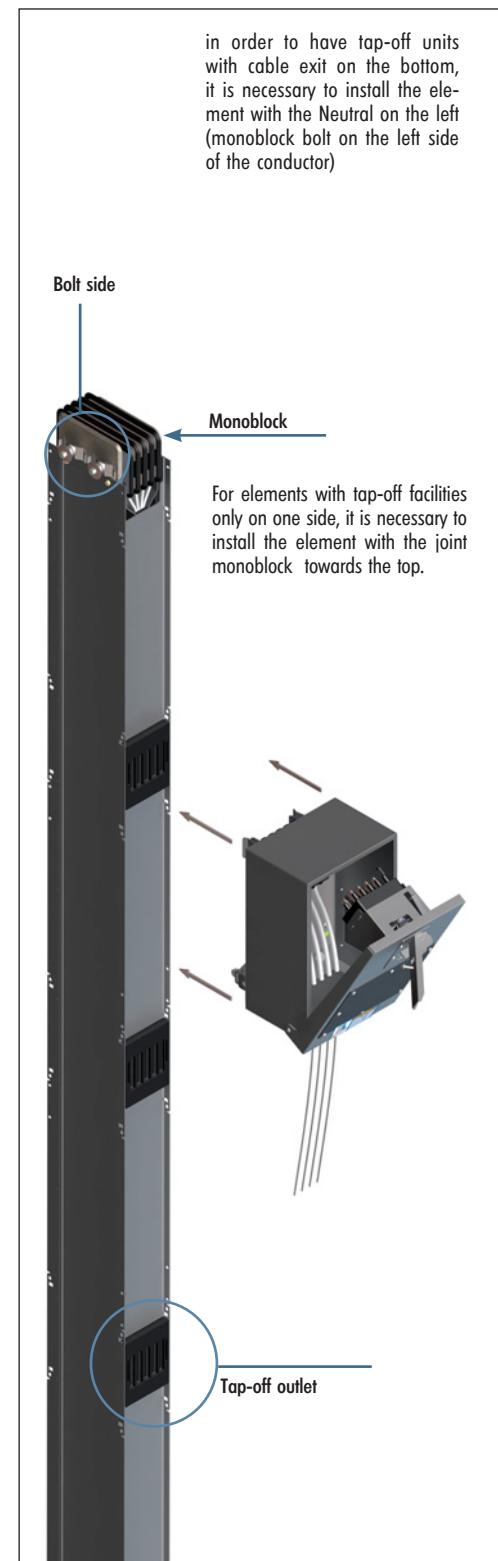
Joint cover (see pag. 75)

Tap-off (see pag. 63)

Fixing and suspension bracket for vertical elements (see pag. 84)

Fixing and suspension bracket for vertical elements (see pag. 82)

Feeder unit (see pag. 52)



in order to have tap-off units with cable exit on the bottom, it is necessary to install the element with the Neutral on the left (monoblock bolt on the left side of the conductor)

Bolt side

Monoblock

For elements with tap-off facilities only on one side, it is necessary to install the element with the joint monoblock towards the top.

Technical data see pg. 51

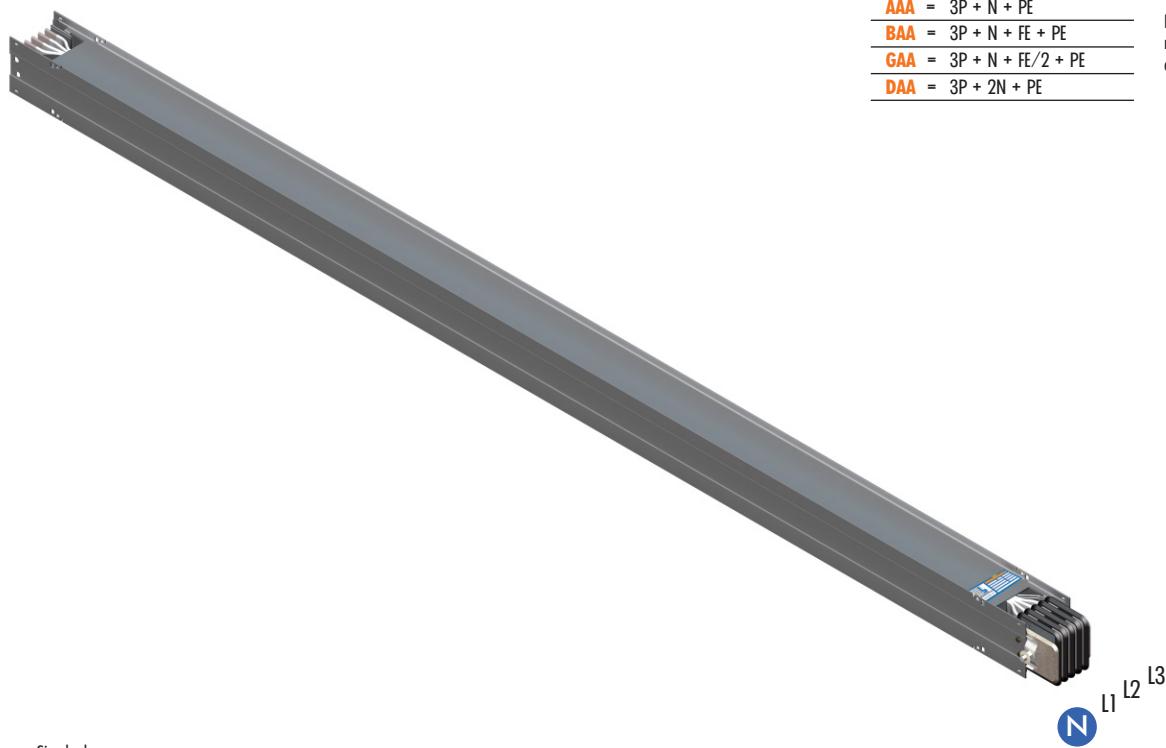
STRAIGHT TRUNKING ELEMENT - FEEDER

A transport straight trunking element is used for electric power transport. It is available in 3000 mm standard length or special dimensions on request (starting from 600mm) and supplied with the monoblock already installed. Installing the tap-off unit on the junction with the system not energized, it can also be used as a distribution unit.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
L=3000	IAC08A01 AAA	IAC10A01 AAA	IAC13A01 AAA	IAC16A01 AAA	IAC20A01 AAA	IAC25A01 AAA	IMC32A01 AAA	IMC41A01 AAA	IMC51A01 AAA
L=600+2999	IAC08A11 AAA	IAC10A11 AAA	IAC13A11 AAA	IAC16A11 AAA	IAC20A11 AAA	IAC25A11 AAA	IMC32A11 AAA	IMC41A11 AAA	IMC51A11 AAA

AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



Single bar



800A ÷ 2000A Cu

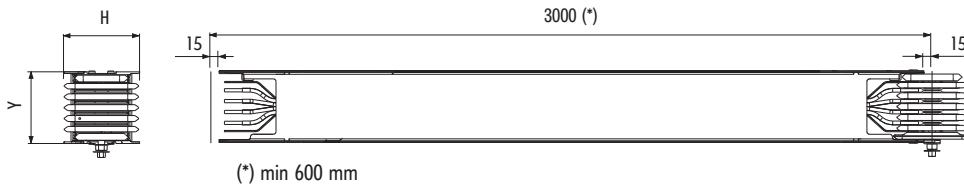
Double bar



2500A ÷ 5000A Cu

dimensions

(H)	Cu
	mm
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452



(Y)	4P	5P
AAA	BAA	GAA
		DAA
mm	mm	
132	154	

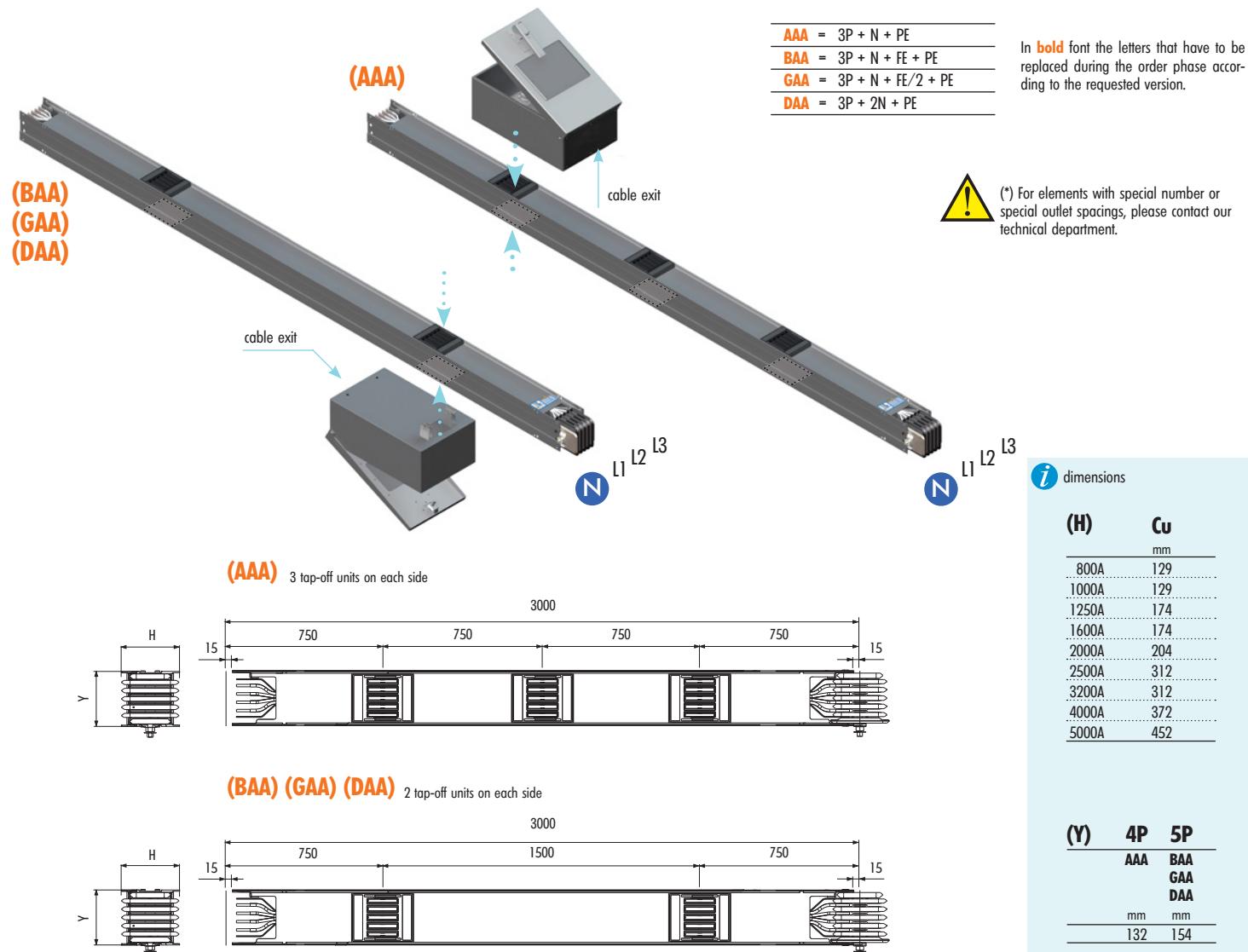
TRUNKING ELEMENTS

Technical data see pg. 51

DISTRIBUTION STRAIGHT TRUNKING ELEMENT/TAP-OFF UNITS ON BOTH SIDES

The straight trunking element for distribution is used for electrical energy distribution by using tap-off units even when the system is energized. The standard version has 6 tap-off facilities (3 on each side) for the 4 poles version (AAA) and 4 tap-off facilities (2 on each side) for the 5 poles version (BAA,GAA,DAA), along a 3000mm standard length. The non standard length elements with a number of special tap-off facilities (max up to 4 per side) are realisable after evaluation of our technical department. Each tap-off facility has an automatic device to restore the IP protection degree when the tap-off facility is disconnected.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
L = 3000									
3+3 Tap Std.	IAC08A23 AAA	IAC10A23 AAA	IAC13A23 AAA	IAC16A23 AAA	IAC20A23 AAA	IAC25A23 AAA	IMC32A23 AAA	IMC41A23 AAA	IMC51A23 AAA
2+2 Tap Std.	IAC08A30 BAA	IAC10A30 BAA	IAC13A30 BAA	IAC16A30 BAA	IAC20A30 BAA	IAC25A30 BAA	IMC32A30 BAA	IMC41A30 BAA	IMC51A30 BAA
2+2 Tap Std.	IAC08A30 GAA	IAC10A30 GAA	IAC13A30 GAA	IAC16A30 GAA	IAC20A30 GAA	IAC25A30 GAA	IMC32A30 GAA	IMC41A30 GAA	IMC51A30 GAA
2+2 Tap Std.	IAC08A30 DAA	IAC10A30 DAA	IAC13A30 DAA	IAC16A30 DAA	IAC20A30 DAA	IAC25A30 DAA	IMC32A30 DAA	IMC41A30 DAA	IMC51A30 DAA
L = 2001÷3000									
3+3 Tap Sp. *	IAC08A22 AAA	IAC10A22 AAA	IAC13A22 AAA	IAC16A22 AAA	IAC20A22 AAA	IAC25A22 AAA	IMC32A22 AAA	IMC41A22 AAA	IMC51A22 AAA
2+2 Tap *	IAC08A24 AAA	IAC10A24 AAA	IAC13A24 AAA	IAC16A24 AAA	IAC20A24 AAA	IAC25A24 AAA	IMC32A24 AAA	IMC41A24 AAA	IMC51A24 AAA
1+1 Tap *	IAC08A25 AAA	IAC10A25 AAA	IAC13A25 AAA	IAC16A25 AAA	IAC20A25 AAA	IAC25A25 AAA	IMC32A25 AAA	IMC41A25 AAA	IMC51A25 AAA
L = 1501÷2000									
2+2 Tap *	IAC08A26 AAA	IAC10A26 AAA	IAC13A26 AAA	IAC16A26 AAA	IAC20A26 AAA	IAC25A26 AAA	IMC32A26 AAA	IMC41A26 AAA	IMC51A26 AAA
1+1 Tap *	IAC08A27 AAA	IAC10A27 AAA	IAC13A27 AAA	IAC16A27 AAA	IAC20A27 AAA	IAC25A27 AAA	IMC32A27 AAA	IMC41A27 AAA	IMC51A27 AAA
L = 1500									
1+1 Tap *	IAC08A28 AAA	IAC10A28 AAA	IAC13A28 AAA	IAC16A28 AAA	IAC20A28 AAA	IAC25A28 AAA	IMC32A28 AAA	IMC41A28 AAA	IMC51A28 AAA
SPECIAL									
4+4 Tap *	IAC08A29 AAA	IAC10A29 AAA	IAC13A29 AAA	IAC16A29 AAA	IAC20A29 AAA	IAC25A29 AAA	IMC32A29 AAA	IMC41A29 AAA	IMC51A29 AAA



DISTRIBUTION STRAIGHT TRUNKING ELEMENT
WITH TAP-OFF UNITS ONLY ON ONE SIDE

Technical data see pg. 51

The distribution straight trunking element is used for electrical energy distribution using tap-off facilities that can be installed even when the system is energized. The standard version has 3 tap-off facilities on only one side for the 4 poles version (AAA) and 2 facilities on only one side for the 5 poles version (BAA,GAA,DAA), along a 3000mm standard length.

The non standard length elements with a number of special tap-off facilities (max up to 4 on one side) are realisable after evaluation of our technical department. Each tap-off facility has an automatic device to restore the IP protection degree when the tap-off facility is disconnected.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
L = 3000									
3 Tap Standard	IAC08A33 AAA	IAC10A33 AAA	IAC13A33 AAA	IAC16A33 AAA	IAC20A33 AAA	IAC25A33 AAA	IMC32A33 AAA	IMC41A33 AAA	IMC51A33 AAA
2 Tap Standard	IAC08A40 BAA	IAC10A40 BAA	IAC13A40 BAA	IAC16A40 BAA	IAC20A40 BAA	IAC25A40 BAA	IMC32A40 BAA	IMC41A40 BAA	IMC51A40 BAA
2 Tap Standard	IAC08A40 GAA	IAC10A40 GAA	IAC13A40 GAA	IAC16A40 GAA	IAC20A40 GAA	IAC25A40 GAA	IMC32A40 GAA	IMC41A40 GAA	IMC51A40 GAA
2 Tap Standard	IAC08A40 DAA	IAC10A40 DAA	IAC13A40 DAA	IAC16A40 DAA	IAC20A40 DAA	IAC25A40 DAA	IMC32A40 DAA	IMC41A40 DAA	IMC51A40 DAA
L = 2001÷3000									
3 Tap Special *	IAC08A32 AAA	IAC10A32 AAA	IAC13A32 AAA	IAC16A32 AAA	IAC20A32 AAA	IAC25A32 AAA	IMC32A32 AAA	IMC41A32 AAA	IMC51A32 AAA
2 Tap *	IAC08A34 AAA	IAC10A34 AAA	IAC13A34 AAA	IAC16A34 AAA	IAC20A34 AAA	IAC25A34 AAA	IMC32A34 AAA	IMC41A34 AAA	IMC51A34 AAA
1 Tap *	IAC08A35 AAA	IAC10A35 AAA	IAC13A35 AAA	IAC16A35 AAA	IAC20A35 AAA	IAC25A35 AAA	IMC32A35 AAA	IMC41A35 AAA	IMC51A35 AAA
L = 1501÷2000									
2 Tap *	IAC08A36 AAA	IAC10A36 AAA	IAC13A26 AAA	IAC16A36 AAA	IAC20A36 AAA	IAC25A36 AAA	IMC32A36 AAA	IMC41A36 AAA	IMC51A36 AAA
1 Tap *	IAC08A37 AAA	IAC10A37 AAA	IAC13A27 AAA	IAC16A37 AAA	IAC20A37 AAA	IAC25A37 AAA	IMC32A37 AAA	IMC41A37 AAA	IMC51A37 AAA
L = 1500									
1 Tap *	IAC08A38 AAA	IAC10A38 AAA	IAC13A28 AAA	IAC16A38 AAA	IAC20A38 AAA	IAC25A38 AAA	IMC32A38 AAA	IMC41A38 AAA	IMC51A38 AAA
SPECIAL									
4 Tap *	IAC08A39 AAA	IAC10A39 AAA	IAC13A39 AAA	IAC16A39 AAA	IAC20A39 AAA	IAC25A39 AAA	IMC32A39 AAA	IMC41A39 AAA	IMC51A39 AAA



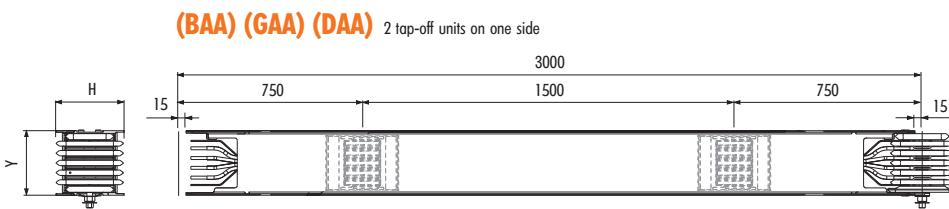
(*) For elements with special number or special outlet spacings, please contact our technical department.



i dimensions

(H)	Cu
mm	
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452

(Y)	4P	5P
AAA	BAA	
GAA		
DAA		
mm	mm	
132	154	



Technical data see pg. 51

This element enables the busbar trunking system to achieve all possible layouts.
Both standard and special lengths are available according to the installations requirements.

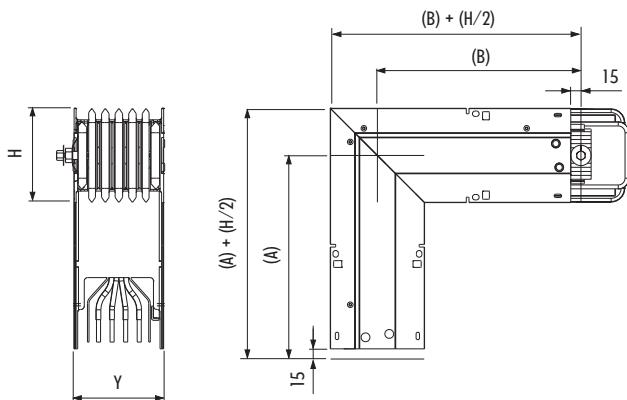
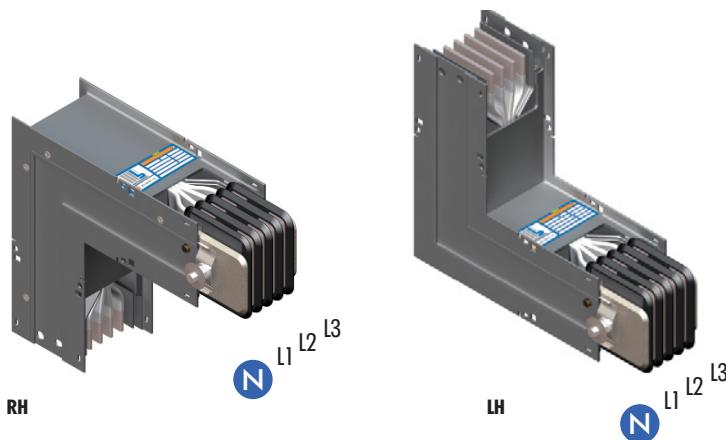
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
----	------	-------	-------	-------	-------	-------	-------	-------	-------

Standard									
RH	IAC08B01 AAA	IAC10B01 AAA	IACT3B01 AAA	IAC16B01 AAA	IAC20B01 AAA	IAC25B01 AAA	IMC32B01 AAA	IMC41B01 AAA	IMC51B01 AAA
LH	IAC08B02 AAA	IAC10B02 AAA	IACT3B02 AAA	IAC16B02 AAA	IAC20B02 AAA	IAC25B02 AAA	IMC32B02 AAA	IMC41B02 AAA	IMC51B02 AAA

Special									
RH	IAC08B11 AAA	IAC10B11 AAA	IACT3B11 AAA	IAC16B11 AAA	IAC20B11 AAA	IAC25B11 AAA	IMC32B11 AAA	IMC41B11 AAA	IMC51B11 AAA
LH	IAC08B12 AAA	IAC10B12 AAA	IACT3B12 AAA	IAC16B12 AAA	IAC20B12 AAA	IAC25B12 AAA	IMC32B12 AAA	IMC41B12 AAA	IMC51B12 AAA

AAA = 3P + N + PE**BAA** = 3P + N + FE + PE**GAA** = 3P + N + FE/2 + PE**DAA** = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

	(A) mm	(B) mm	(H) mm	Cu mm
800A÷2000A Cu	std. 300	300	800A	129
	min. 300	300	1000A	129
	max 899	899	1250A	174
2500A÷5000A Cu	std. 450	450	1600A	174
	min. 450	450	2000A	204
	max 1049	1049	2500A	312
			3200A	312
			4000A	372
			5000A	452

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
mm	mm	
132	154	

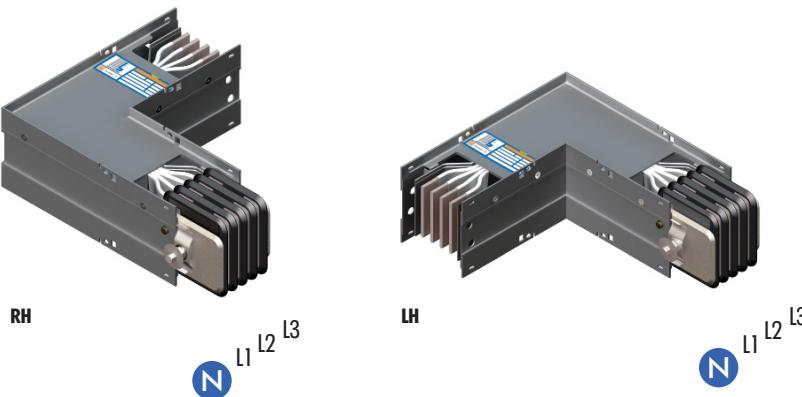
Technical data see pg. 51

This element enables the busbar trunking system to achieve all possible layouts.
Both standard and special length are available according to the installations requirements.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Standard									
RH	IAC08C01 AAA	IAC10C01 AAA	IAC13C01 AAA	IAC16C01 AAA	IAC20C01 AAA	IAC25C01 AAA	IMC32C01 AAA	IMC41C01 AAA	IMC51C01 AAA
LH	IAC08C02 AAA	IAC10C02 AAA	IAC13C02 AAA	IAC16C02 AAA	IAC20C02 AAA	IAC25C02 AAA	IMC32C02 AAA	IMC41C02 AAA	IMC51C02 AAA
Special									
RH	IAC08C11 AAA	IAC10C11 AAA	IAC13C11 AAA	IAC16C11 AAA	IAC20C11 AAA	IAC25C11 AAA	IMC32C11 AAA	IMC41C11 AAA	IMC51C11 AAA
LH	IAC08C12 AAA	IAC10C12 AAA	IAC13C12 AAA	IAC16C12 AAA	IAC20C12 AAA	IAC25C12 AAA	IMC32C12 AAA	IMC41C12 AAA	IMC51C12 AAA

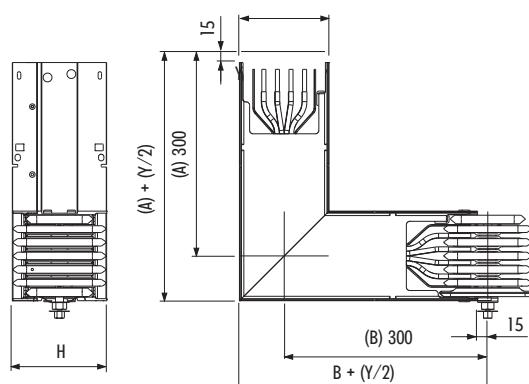
AAA = 3P + N + PE**BAA** = 3P + N + FE + PE**GAA** = 3P + N + FE/2 + PE**DAA** = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



RH

LH


i dimensions

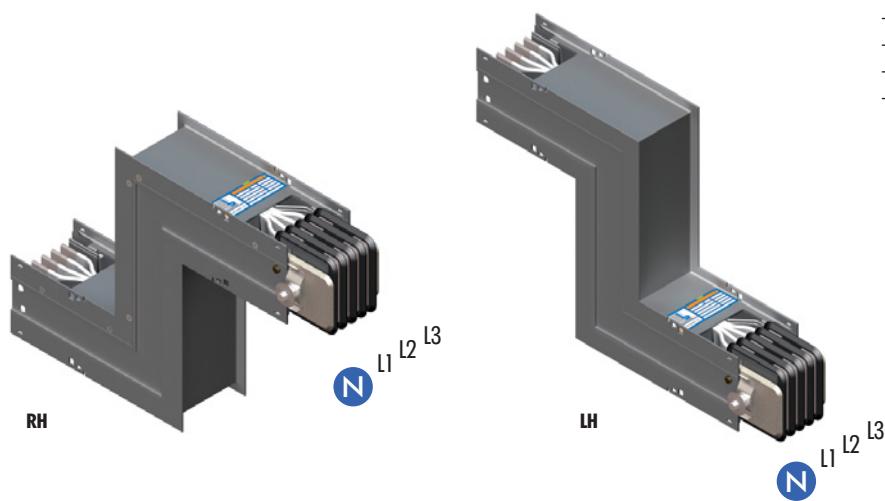
	(A) mm	(B) mm	(H) mm	Cu mm
800A÷5000A Cu	std. 300	300	800A 129	
	min. 250	250	1000A 129	
	max 849	849	1250A 174	
			1600A 174	
			2000A 204	
			2500A 312	
			3200A 312	
			4000A 372	
			5000A 452	

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
	mm	mm
	132	154

Technical data see pg. 51

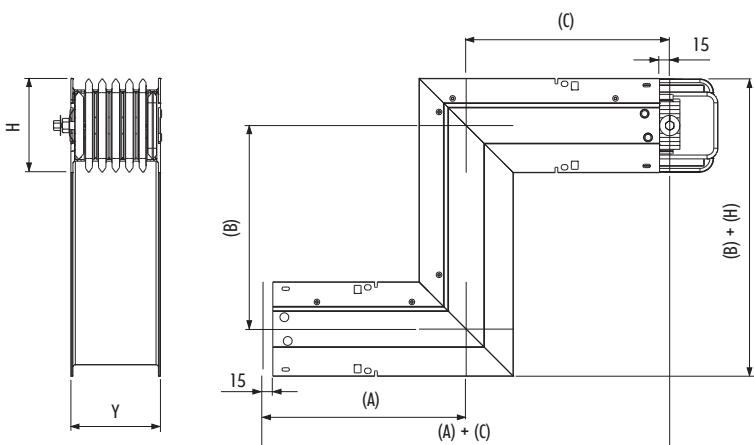
This element enables the busbar trunking system to achieve all possible layouts.
Both standard and special length are available according to the installations requirements.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
RH	IAC08D11 AAA	IAC10D11 AAA	IAC13D11 AAA	IAC16D11 AAA	IAC20D11 AAA	IAC25D11 AAA	IMC32D11 AAA	IMC41D11 AAA	IMC51D11 AAA
LH	IAC08D12 AAA	IAC10D12 AAA	IAC13D12 AAA	IAC16D12 AAA	IAC20D12 AAA	IAC25D12 AAA	IMC32D12 AAA	IMC41D12 AAA	IMC51D12 AAA



AAA	= 3P + N + PE
BAA	= 3P + N + FE + PE
GAA	= 3P + N + FE/2 + PE
DAA	= 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

	(A) mm	(B) mm	(H) mm	Cu mm
800A÷2000A Cu	std. 300	300	800A	129
	min. 300	300	1000A	129
	max 899	899	1250A	174
2500A÷5000A Cu	std. 450	450	1600A	174
	min. 450	450	2000A	204
	max 1049	1049	2500A	312
			3200A	312
			4000A	372
			5000A	452

(Y)	4P	5P
AAA	BAA	GAA
		DAA
mm	mm	
132	154	

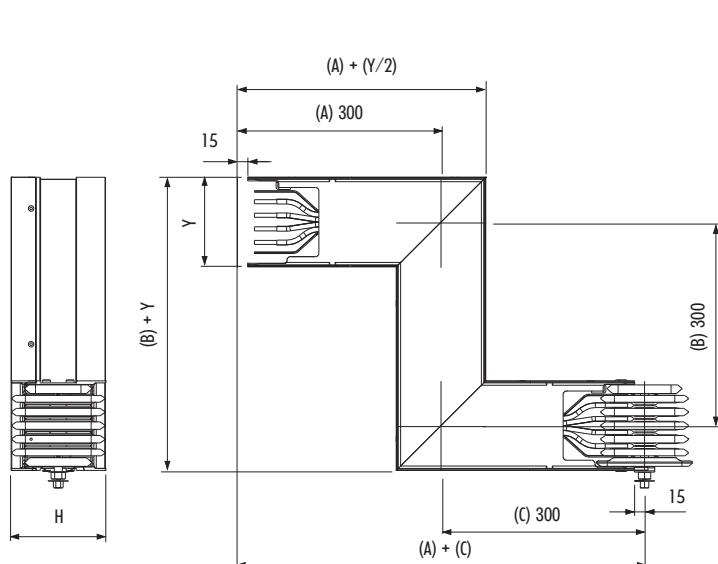
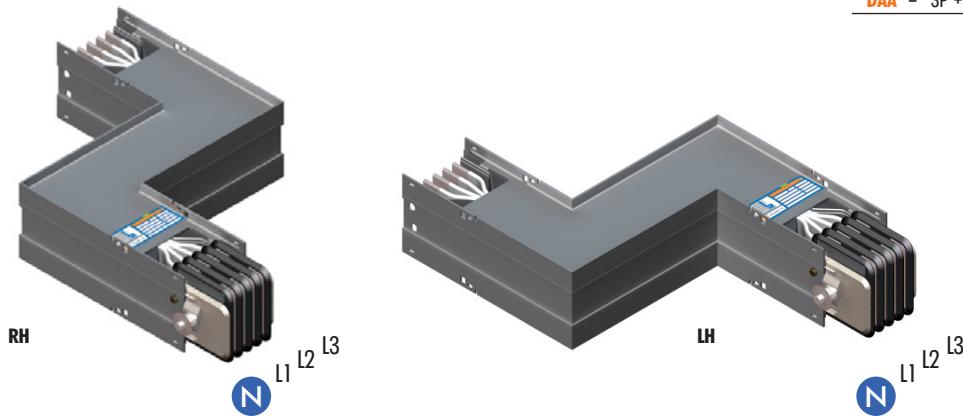
Technical data see pg. 51

This element enables the busbar trunking system to achieve all possible layouts.
Both standard and special length are available according to the installations requirements.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
RH	IAC08E1 1 AAA	IAC10E1 1 AAA	IAC13E1 1 AAA	IAC16E1 1 AAA	IAC20E1 1 AAA	IAC25E1 1 AAA	IMC32E1 1 AAA	IMC41E1 1 AAA	IMC51E1 1 AAA
LH	IAC08E1 2 AAA	IAC10E1 2 AAA	IAC13E1 2 AAA	IAC16E1 2 AAA	IAC20E1 2 AAA	IAC25E1 2 AAA	IMC32E1 2 AAA	IMC41E1 2 AAA	IMC51E1 2 AAA

AAA	= 3P + N + PE
BAA	= 3P + N + FE + PE
GAA	= 3P + N + FE/2 + PE
DAA	= 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

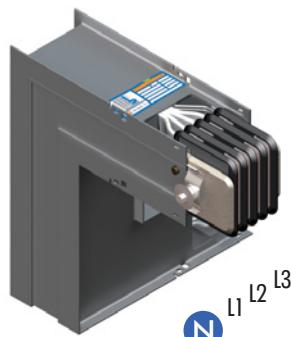
	(A) mm	(B) mm	(H) mm	Cu mm
800A÷5000A Cu	std 300	300		800A 129
	min 250	250		1000A 129
	max 849	849		1250A 174
				1600A 174
				2000A 204
				2500A 312
				3200A 312
				4000A 372
				5000A 452

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
mm	mm	
132	154	

Technical data see pg. 51

This element enables the busbar trunking system to achieve all possible layouts.
Both standard than special length are available according to the installations requirements.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08F1 AAA	IAC10F1 AAA	IAC13F1 AAA	IAC16F1 AAA	IAC20F1 AAA	IAC25F1 AAA	IMC32F1 AAA	IMC41F1 AAA	IMC51F1 AAA
Type 2	IAC08F2 AAA	IAC10F2 AAA	IAC13F2 AAA	IAC16F2 AAA	IAC20F2 AAA	IAC25F2 AAA	IMC32F2 AAA	IMC41F2 AAA	IMC51F2 AAA
Type 3	IAC08F3 AAA	IAC10F3 AAA	IAC13F3 AAA	IAC16F3 AAA	IAC20F3 AAA	IAC25F3 AAA	IMC32F3 AAA	IMC41F3 AAA	IMC51F3 AAA
Type 4	IAC08F4 AAA	IAC10F4 AAA	IAC13F4 AAA	IAC16F4 AAA	IAC20F4 AAA	IAC25F4 AAA	IMC32F4 AAA	IMC41F4 AAA	IMC51F4 AAA



Type 1



Type 2



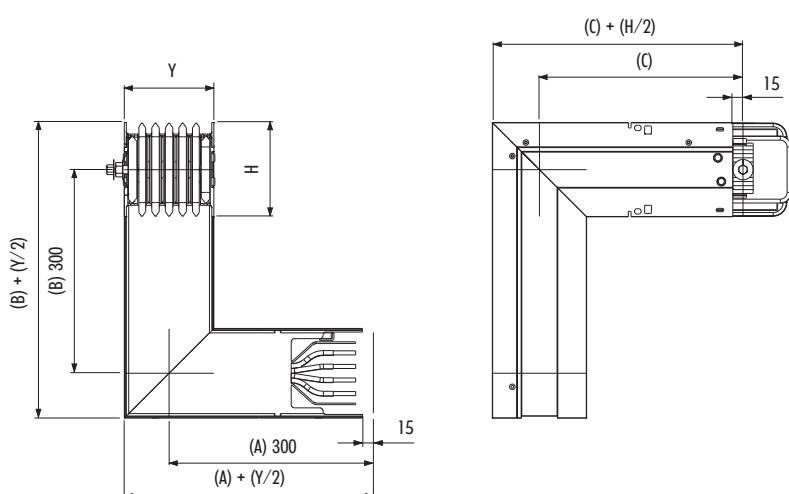
Type 3



Type 4

AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

	(A)	(B)	(C)	(H)	Cu
800A÷2000A Cu	std. 300	300	300		800A 129
	min. 250	210	300		1000A 129
	max 849	549	899		1250A 174
2500A÷5000A Cu	std. 300	300	450		1600A 174
	min. 250	320	450		2000A 204
	max 849	699	1049		2500A 312
					3200A 312
					4000A 372
					5000A 452

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
	mm	mm
	132	154

Technical data see pg. 51

This element enables the busbar trunking system to achieve all possible layouts.
Both standard and special length are available according to the installations requirements.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08G11 AAA	IAC10G11 AAA	IAC13G11 AAA	IAC16G11 AAA	IAC20G11 AAA	IAC25G11 AAA	IMC32G11 AAA	IMC41G11 AAA	IMC51G11 AAA
Type 2	IAC08G12 AAA	IAC10G12 AAA	IAC13G12 AAA	IAC16G12 AAA	IAC20G12 AAA	IAC25G12 AAA	IMC32G12 AAA	IMC41G12 AAA	IMC51G12 AAA
Type 3	IAC08G13 AAA	IAC10G13 AAA	IAC13G13 AAA	IAC16G13 AAA	IAC20G13 AAA	IAC25G13 AAA	IMC32G13 AAA	IMC41G13 AAA	IMC51G13 AAA
Type 4	IAC08G14 AAA	IAC10G14 AAA	IAC13G14 AAA	IAC16G14 AAA	IAC20G14 AAA	IAC25G14 AAA	IMC32G14 AAA	IMC41G14 AAA	IMC51G14 AAA



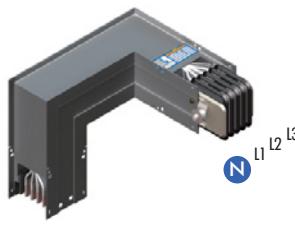
Type 1

AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

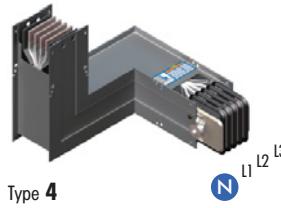
In **bold** font the letters that have to be replaced during the order phase according to the requested version.



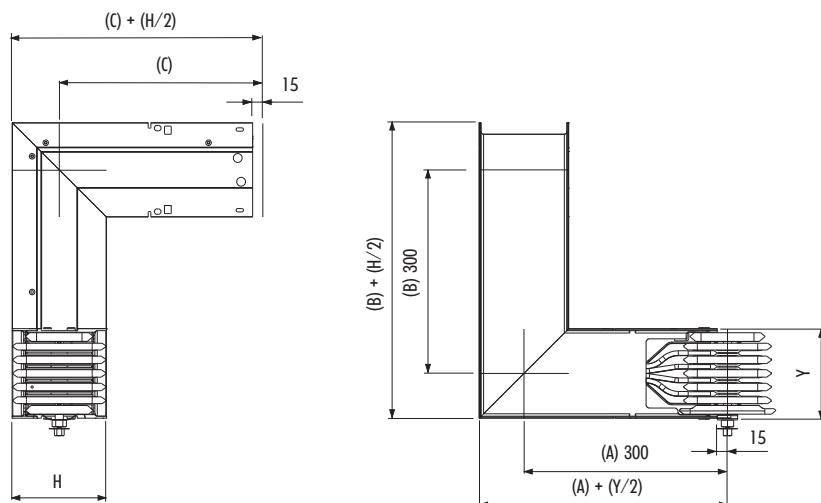
Type 2



Type 3



Type 4



i dimensions

	(A)	(B)	(C)	(H)	Cu
	mm	mm	mm	mm	mm
800A÷2000A Cu	std. 300	300	300		800A 129
	min. 250	210	300		1000A 129
	max 849	549	899		1250A 174
2500A÷5000A Cu	std. 300	300	450		1600A 174
	min. 250	320	450		2000A 204
	max 849	699	1049		2500A 312
					3200A 312
					4000A 372
					5000A 452

(Y)	4P	5P
AAA	BAA	GAA
DAA		

mm mm

132 154

Technical data see pg. 51

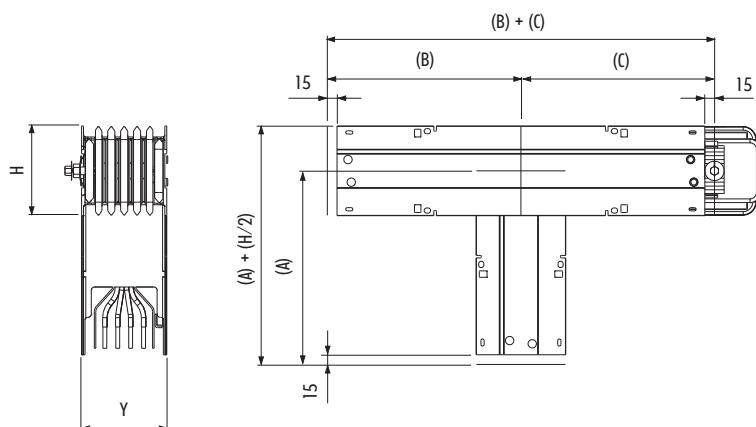
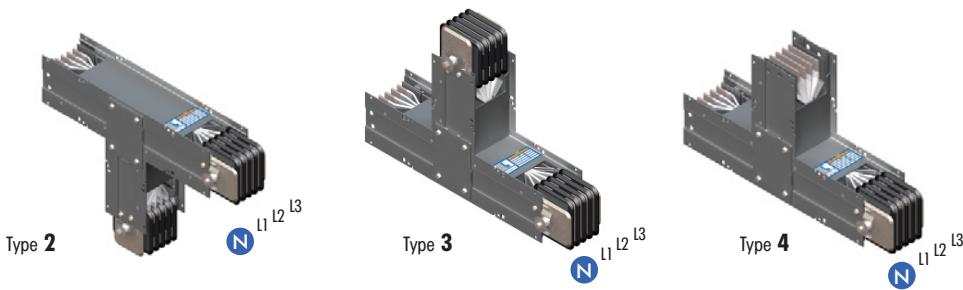
This element enables the busbar trunking system to achieve all possible layouts.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08H11 AAA	IAC10H11 AAA	IAC13H11 AAA	IAC16H11 AAA	IAC20H11 AAA	IAC25H11 AAA	IMC32H11 AAA	IMC41H11 AAA	IMC51H11 AAA
Type 2	IAC08H12 BAA	IAC10H12 BAA	IAC13H12 BAA	IAC16H12 BAA	IAC20H12 BAA	IAC25H12 BAA	IMC32H12 BAA	IMC41H12 BAA	IMC51H12 BAA
Type 3	IAC08H13 GAA	IAC10H13 GAA	IAC13H13 GAA	IAC16H13 GAA	IAC20H13 GAA	IAC25H13 GAA	IMC32H13 GAA	IMC41H13 GAA	IMC51H13 GAA
Type 4	IAC08H14 DAA	IAC10H14 DAA	IAC13H14 DAA	IAC16H14 DAA	IAC20H14 DAA	IAC25H14 DAA	IMC32H14 DAA	IMC41H14 DAA	IMC51H14 DAA



- AAA** = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

	(A)	(B)	(C)	(H)	Cu
800A÷2000A Cu	std	300	300	300	mm
2500A÷5000A Cu	std	600	600	600	mm
					800A 129
					1000A 129
					1250A 174
					1600A 174
					2000A 204
					2500A 312
					3200A 312
					4000A 372
					5000A 452

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
mm	mm	
132	154	

Technical data see pg. 51

This element enables the busbar trunking system to achieve all possible layouts.

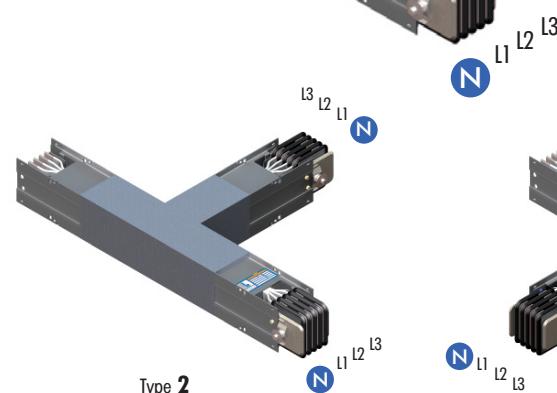
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08I1 AAA	IAC10I1 AAA	IAC13I1 AAA	IAC16I1 AAA	IAC20I1 AAA	IAC25I1 AAA	IMC32I1 AAA	IMC41I1 AAA	IMC51I1 AAA
Type 2	IAC08I2 AAA	IAC10I2 AAA	IAC13I2 AAA	IAC16I2 AAA	IAC20I2 AAA	IAC25I2 AAA	IMC32I2 AAA	IMC41I2 AAA	IMC51I2 AAA
Type 3	IAC08I3 AAA	IAC10I3 AAA	IAC13I3 AAA	IAC16I3 AAA	IAC20I3 AAA	IAC25I3 AAA	IMC32I3 AAA	IMC41I3 AAA	IMC51I3 AAA
Type 4	IAC08I4 AAA	IAC10I4 AAA	IAC13I4 AAA	IAC16I4 AAA	IAC20I4 AAA	IAC25I4 AAA	IMC32I4 AAA	IMC41I4 AAA	IMC51I4 AAA



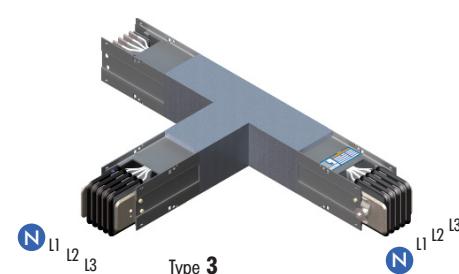
Type 1

- AAA** = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

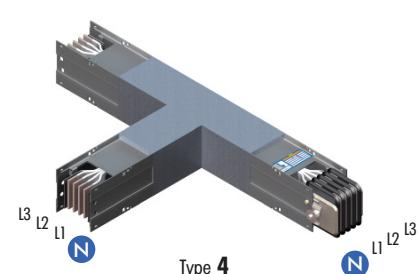
In **bold** font the letters that have to be replaced during the order phase according to the requested version.



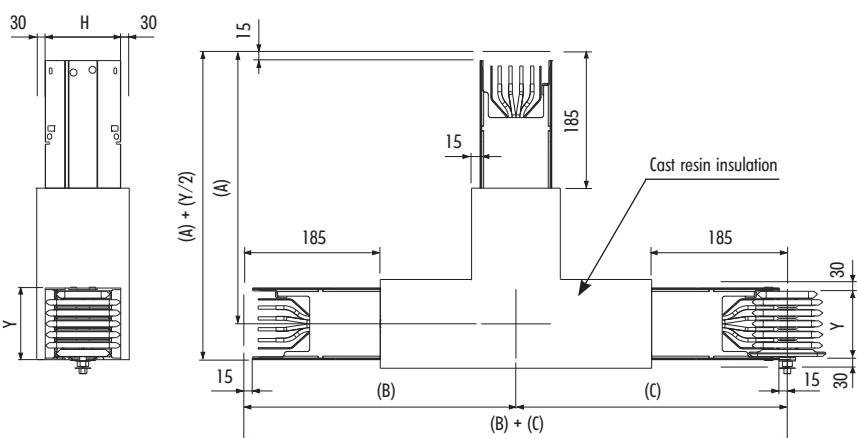
Type 2



Type 3



Type 4



i dimensions

4P AAA	(A)	(B)	(C)	(H)	Cu
800A±2000A Cu	500	500	500	mm	800A 129
2500A±5000A Cu	550	550	550	mm	1000A 129
					1250A 174
					1600A 174
					2000A 204
					2500A 312
					3200A 312
					4000A 372
					5000A 452
2500A±5000A Cu	600	600	600	mm	

5P BAA - GAA - DAA	(A)	(B)	(C)
800A±2000A Cu	550	550	550
	mm	mm	mm
2500A±5000A Cu	600	600	600
	mm	mm	mm

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
	mm	mm
132		154

Technical data see pg. 51

The straight trunking element with phase transposition is used when the phase/neutral sequence at the beginning of a line does not match with the end of it. In this case, the use of this 1000 mm unit allows the transposition of the phases, the neutral and the earthing conductor according to the sequence required.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
----	------	-------	-------	-------	-------	-------	-------	-------	-------

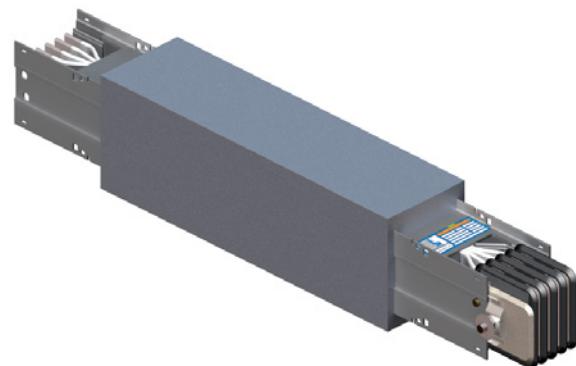
4P - AAA (3P+N+PE)

Type 1	IAC08X01AAA	IAC10X01AAA	IAC13X01AAA	IAC16X01AAA	IAC20X01AAA	IAC25X01AAA	IMC32X01AAA	IMC41X01AAA	IMC51X01AAA
Type 2	IAC08X02AAA	IAC10X02AAA	IAC13X02AAA	IAC16X02AAA	IAC20X02AAA	IAC25X02AAA	IMC32X02AAA	IMC41X02AAA	IMC51X02AAA
Type 3	IAC08X03AAA	IAC10X03AAA	IAC13X03AAA	IAC16X03AAA	IAC20X03AAA	IAC25X03AAA	IMC32X03AAA	IMC41X03AAA	IMC51X03AAA
Type S *	IAC08X05AAA	IAC10X05AAA	IAC13X05AAA	IAC16X05AAA	IAC20X05AAA	IAC25X05AAA	IMC32X05AAA	IMC41X05AAA	IMC51X05AAA

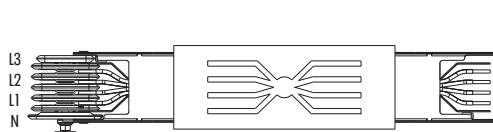
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
----	------	-------	-------	-------	-------	-------	-------	-------	-------

5P - BAA (3P+N+FE+PE) - GAA (3P+N+FE/2+PE) - DAA (3P+2N+PE)

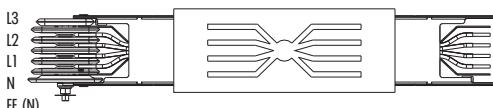
Type 1	IAC08X01BAA	IAC10X01BAA	IAC13X01BAA	IAC16X01BAA	IAC20X01BAA	IAC25X01BAA	IMC32X01BAA	IMC41X01BAA	IMC51X01BAA
Type 2	IAC08X02BAA	IAC10X02BAA	IAC13X02BAA	IAC16X02BAA	IAC20X02BAA	IAC25X02BAA	IMC32X02BAA	IMC41X02BAA	IMC51X02BAA
Type 3	IAC08X03BAA	IAC10X03BAA	IAC13X03BAA	IAC16X03BAA	IAC20X03BAA	IAC25X03BAA	IMC32X03BAA	IMC41X03BAA	IMC51X03BAA
Type 4	IAC08X04BAA	IAC10X04BAA	IAC13X04BAA	IAC16X04BAA	IAC20X04BAA	IAC25X04BAA	IMC32X04BAA	IMC41X04BAA	IMC51X04BAA
Type 5	IAC08X05BAA	IAC10X05BAA	IAC13X05BAA	IAC16X05BAA	IAC20X05BAA	IAC25X05BAA	IMC32X05BAA	IMC41X05BAA	IMC51X05BAA
Type 6	IAC08X06BAA	IAC10X06BAA	IAC13X06BAA	IAC16X06BAA	IAC20X06BAA	IAC25X06BAA	IMC32X06BAA	IMC41X06BAA	IMC51X06BAA
Type 7	IAC08X07BAA	IAC10X07BAA	IAC13X07BAA	IAC16X07BAA	IAC20X07BAA	IAC25X07BAA	IMC32X07BAA	IMC41X07BAA	IMC51X07BAA
Type S *	IAC08X05BAA	IAC10X05BAA	IAC13X05BAA	IAC16X05BAA	IAC20X05BAA	IAC25X05BAA	IMC32X05BAA	IMC41X05BAA	IMC51X05BAA



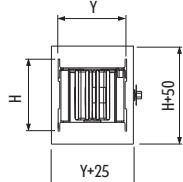
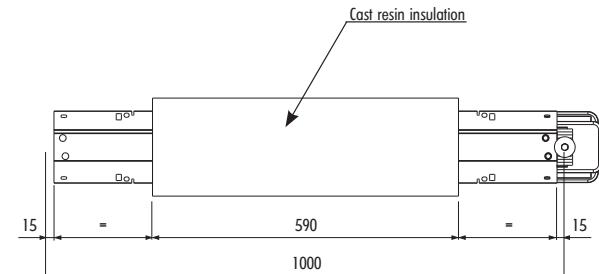
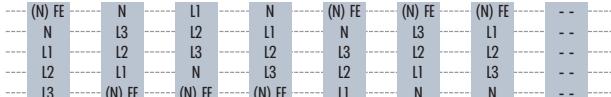
* For special versions, please contact our technical department.

BAA = 3P + N + FE + PE**GAA** = 3P + N + FE/2 + PE**DAA** = 3P + 2N + PEIn **bold** font the letters that have to be replaced during the order phase according to the requested version.

Type 1 Type 2 Type 3 Type S *



Type 1 Type 2 Type 3 Type 4 Type 5 Type 6 Type 7 Type S *

*i* dimensions

(H)	Cu
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
mm	mm	
132	154	

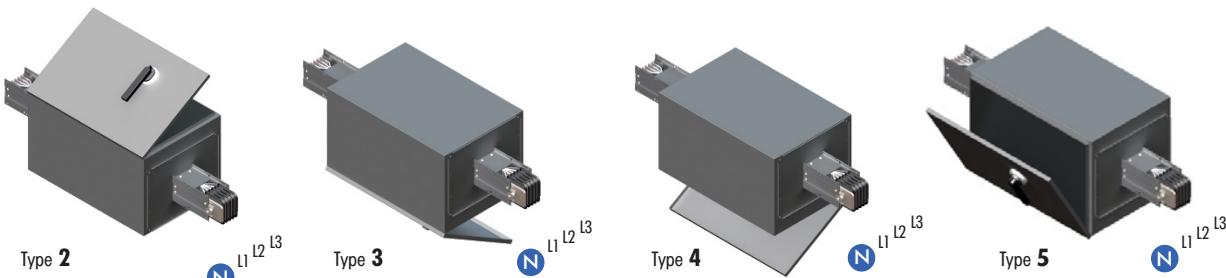
Technical data see pg. 51

These elements are used when it is necessary to divide or electrically protect parts of the busbar.
The standard version has a switch-disconnector and a fuse holder (fuses not included).

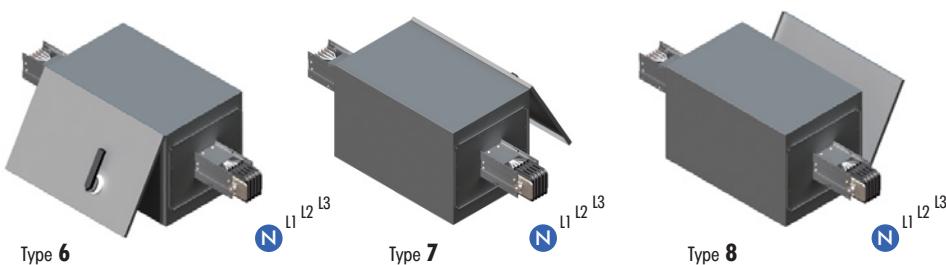
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08K11 AAA	IAC10K11 AAA	IAC13K11 AAA	IAC16K11 AAA	IAC20K11 AAA	IAC25K11 AAA	IMC32K11 AAA	IMC41K11 AAA	IMC51K11 AAA
Type 2	IAC08K12 AAA	IAC10K12 AAA	IAC13K12 AAA	IAC16K12 AAA	IAC20K12 AAA	IAC25K12 AAA	IMC32K12 AAA	IMC41K12 AAA	IMC51K12 AAA
Type 3	IAC08K13 AAA	IAC10K13 AAA	IAC13K13 AAA	IAC16K13 AAA	IAC20K13 AAA	IAC25K13 AAA	IMC32K13 AAA	IMC41K13 AAA	IMC51K13 AAA
Type 4	IAC08K14 AAA	IAC10K14 AAA	IAC13K14 AAA	IAC16K14 AAA	IAC20K14 AAA	IAC25K14 AAA	IMC32K14 AAA	IMC41K14 AAA	IMC51K14 AAA
Type 5	IAC08K15 AAA	IAC10K15 AAA	IAC13K15 AAA	IAC16K15 AAA	IAC20K15 AAA	IAC25K15 AAA	IMC32K15 AAA	IMC41K15 AAA	IMC51K15 AAA
Type 6	IAC08K16 AAA	IAC10K16 AAA	IAC13K16 AAA	IAC16K16 AAA	IAC20K16 AAA	IAC25K16 AAA	IMC32K16 AAA	IMC41K16 AAA	IMC51K16 AAA
Type 7	IAC08K17 AAA	IAC10K17 AAA	IAC13K17 AAA	IAC16K17 AAA	IAC20K17 AAA	IAC25K17 AAA	IMC32K17 AAA	IMC41K17 AAA	IMC51K17 AAA
Type 8	IAC08K18 AAA	IAC10K18 AAA	IAC13K18 AAA	IAC16K18 AAA	IAC20K18 AAA	IAC25K18 AAA	IMC32K18 AAA	IMC41K18 AAA	IMC51K18 AAA

**AAA** = 3P + N + PE**BAA** = 3P + N + FE + PE**GAA** = 3P + N + FE/2 + PE**DAA** = 3P + 2N + PE

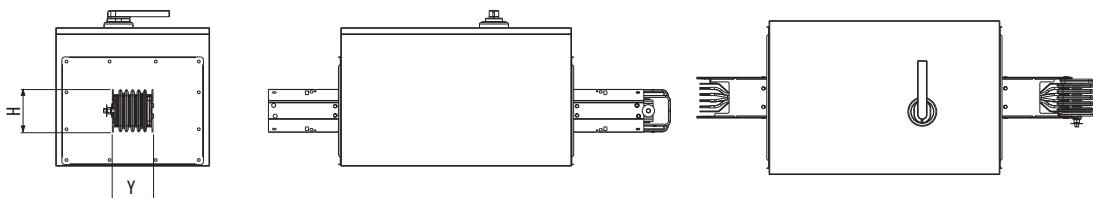
In **bold** font the letters that have to be replaced during the order phase according to the requested version.

**N.B.**

When ordering, the input and output side of the circuit should be signed.
For dimensions, please contact our technical department.

*i* dimensions

(H)	Cu
mm	mm
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452



(Y)	4P	5P
AAA	BAA	GAA
		DAA
mm	mm	
132	154	

Technical data see pg. 51

With switch-disconnector and fuse-holder

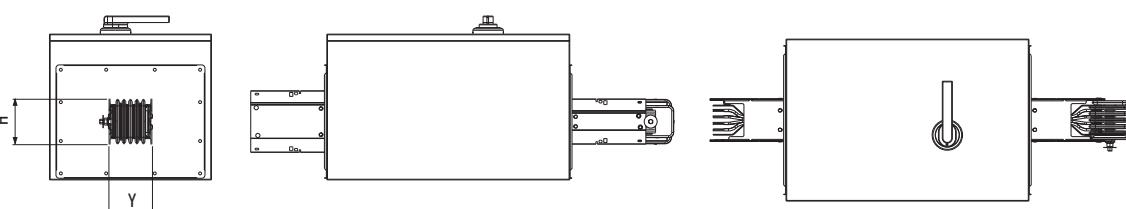
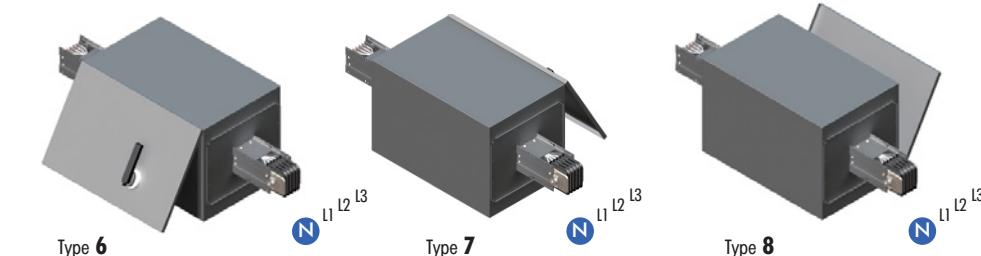
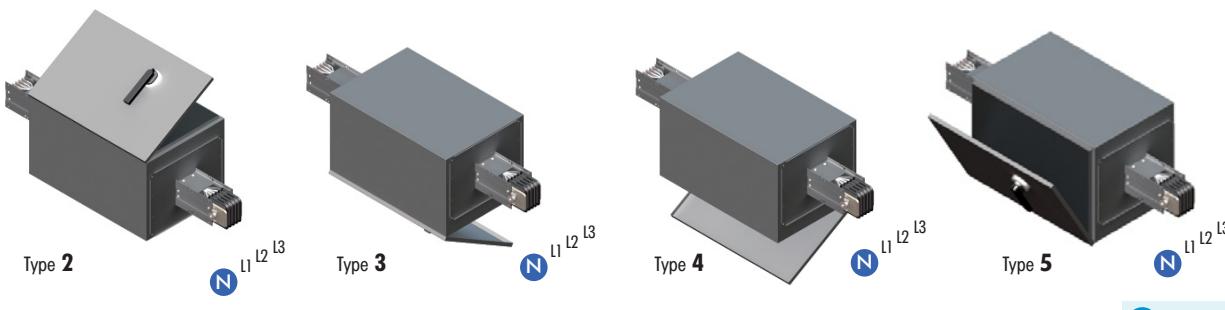
This unit is used to connect two busbar trunking runs having different nominal ratings.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08L1 AAA	IAC10L1 AAA	IAC13L1 AAA	IAC16L1 AAA	IAC20L1 AAA	IAC25L1 AAA	IMC32L1 AAA	IMC41L1 AAA	IMC51L1 AAA
Type 2	IAC08L2 AAA	IAC10L2 AAA	IAC13L2 AAA	IAC16L2 AAA	IAC20L2 AAA	IAC25L2 AAA	IMC32L2 AAA	IMC41L2 AAA	IMC51L2 AAA
Type 3	IAC08L3 AAA	IAC10L3 AAA	IAC13L3 AAA	IAC16L3 AAA	IAC20L3 AAA	IAC25L3 AAA	IMC32L3 AAA	IMC41L3 AAA	IMC51L3 AAA
Type 4	IAC08L4 AAA	IAC10L4 AAA	IAC13L4 AAA	IAC16L4 AAA	IAC20L4 AAA	IAC25L4 AAA	IMC32L4 AAA	IMC41L4 AAA	IMC51L4 AAA
Type 5	IAC08L5 AAA	IAC10L5 AAA	IAC13L5 AAA	IAC16L5 AAA	IAC20L5 AAA	IAC25L5 AAA	IMC32L5 AAA	IMC41L5 AAA	IMC51L5 AAA
Type 6	IAC08L6 AAA	IAC10L6 AAA	IAC13L6 AAA	IAC16L6 AAA	IAC20L6 AAA	IAC25L6 AAA	IMC32L6 AAA	IMC41L6 AAA	IMC51L6 AAA
Type 7	IAC08L7 AAA	IAC10L7 AAA	IAC13L7 AAA	IAC16L7 AAA	IAC20L7 AAA	IAC25L7 AAA	IMC32L7 AAA	IMC41L7 AAA	IMC51L7 AAA
Type 8	IAC08L8 AAA	IAC10L8 AAA	IAC13L8 AAA	IAC16L8 AAA	IAC20L8 AAA	IAC25L8 AAA	IMC32L8 AAA	IMC41L8 AAA	IMC51L8 AAA



AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



(Y)		4P	5P
(H)	Cu	AAA	BAA
800A	129		
1000A	129		
1250A	174		
1600A	174		
2000A	204		
2500A	312		
3200A	312		
4000A	372		
5000A	452		

(H)	Cu	AAA	BAA
800A	129		
1000A	129		
1250A	174		
1600A	174		
2000A	204		
2500A	312		
3200A	312		
4000A	372		
5000A	452		

(Y)	4P	5P	
(H)	Cu	AAA	BAA
800A	129		
1000A	129		
1250A	174		
1600A	174		
2000A	204		
2500A	312		
3200A	312		
4000A	372		
5000A	452		

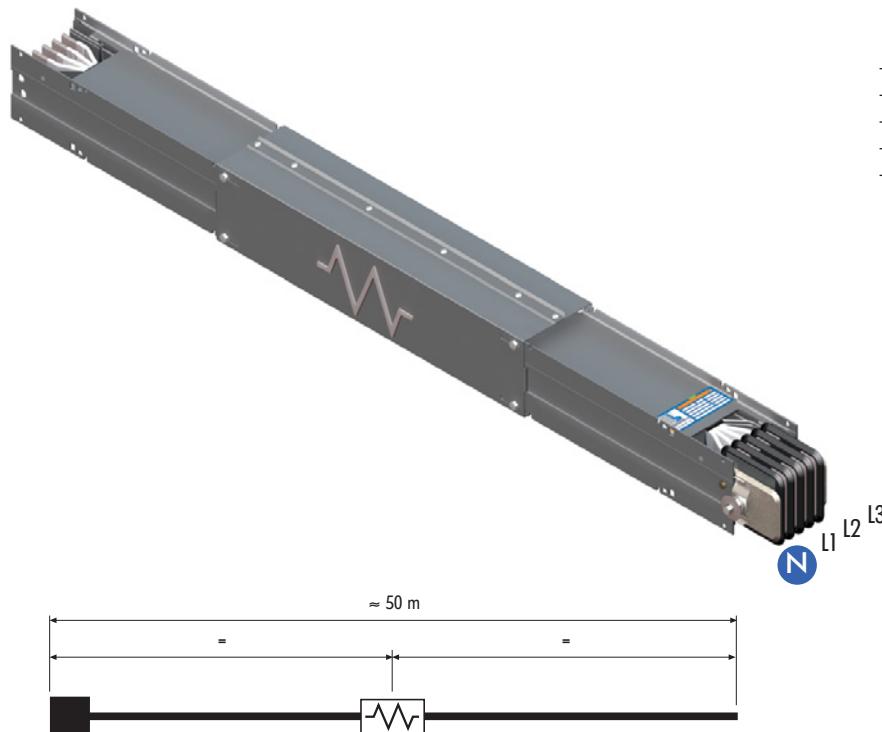
Technical data see pg. 51

This unit, standard length 1500 mm, is used to absorb the movement along the axial direction of the busbar trunking due to thermal expansion of the system.

Expansion unit should be installed:

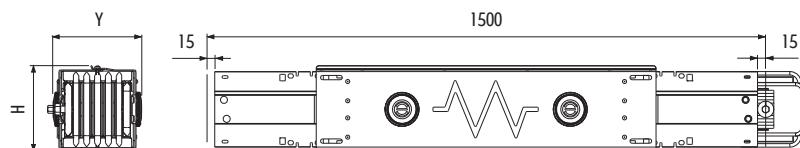
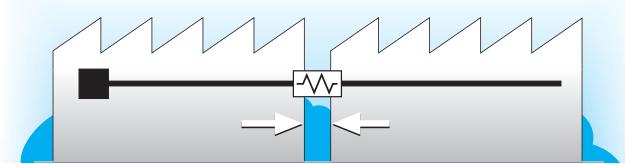
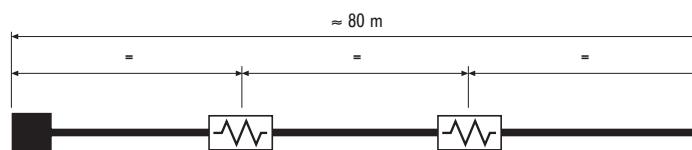
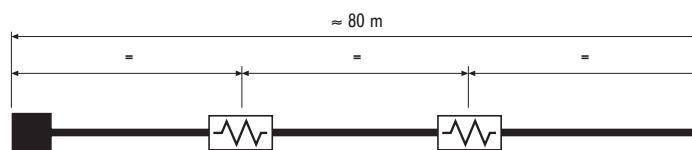
- Close to a building expansion joint
- Straight busbar runs longer than 40÷50m (every 20÷25m)
(ex - 50 m busbar run = 1 expansion unit in the middle)
- (ex - 80 m busbar run = 2 expansion units every 25÷30m)

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
	IAC08J01 AAA	IAC10J01 AAA	IAC13J01 AAA	IAC16J01 AAA	IAC20J01 AAA	IAC25J01 AAA	IMC32J01 AAA	IMC41J01 AAA	IMC51J01 AAA



AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



<i>i</i> dimensions		
(H)	Cu	
800A	129	
1000A	129	
1250A	174	
1600A	174	
2000A	204	
2500A	312	
3200A	312	
4000A	372	
5000A	452	

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
mm	mm	
132	154	

CONNECTION ELEMENTS

TERMINAL UNIT

Technical data see pg. 51

This unit is used to prepare the connection between the busbar trunking runs and the switchboard or the transformer.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
----	------	-------	-------	-------	-------	-------	-------	-------	-------

Standard

RH	IAC08M01 AAA	IAC10M01 AAA	IAC13M01 AAA	IAC16M01 AAA	IAC20M01 AAA	IAC25M01 AAA	IMC32M01 AAA	IMC41M01 AAA	IMC51M01 AAA
LH	IAC08M02 AAA	IAC10M02 AAA	IAC13M02 AAA	IAC16M02 AAA	IAC20M02 AAA	IAC25M02 AAA	IMC32M02 AAA	IMC41M02 AAA	IMC51M02 AAA

Special *

RH	IAC08M11 AAA	IAC10M11 AAA	IAC13M11 AAA	IAC16M11 AAA	IAC20M11 AAA	IAC25M11 AAA	IMC32M11 AAA	IMC41M11 AAA	IMC51M11 AAA
LH	IAC08M12 AAA	IAC10M12 AAA	IAC13M12 AAA	IAC16M12 AAA	IAC20M12 AAA	IAC25M12 AAA	IMC32M12 AAA	IMC41M12 AAA	IMC51M12 AAA

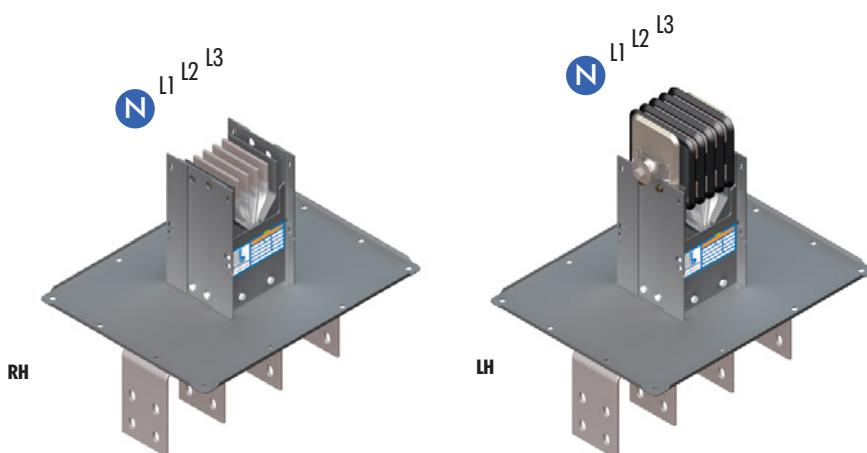
AAA = 3P + N + PE

BAA = 3P + N + FE + PE

GAA = 3P + N + FE/2 + PE

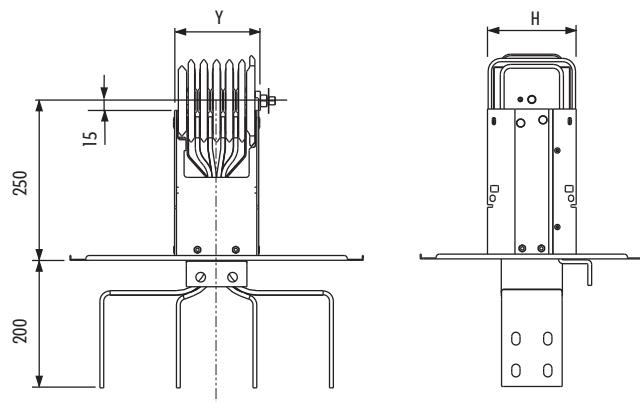
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.

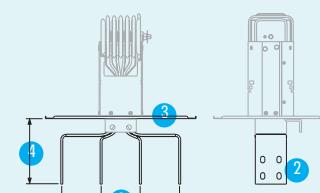


N.B.

For flange and bar dimensions, please look at pg. 40-41



* The terminal unit can be supplied in special version with:
1 - Distance between bars
2 - Hole positions
3 - Flange dimensions
4 - Bars length different from standard



i dimensions

(H)	Cu
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452

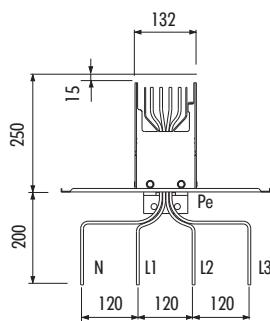
(Y)	4P	5P
AAA	BAA	GAA
		DAA
mm	mm	
132	154	

The terminal units of the IMPACT trunking system are provided with the necessary bar spacings, hole position and flange dimension in order to allow the connection to various devices to be energized (switch-board, transformer etc...)

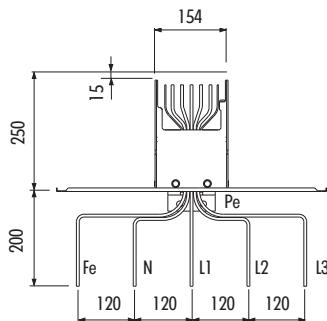
Special dimensions are achievable on request according to agreement with our technical department.

Cu 800A ÷ 2000A**(AAA)**

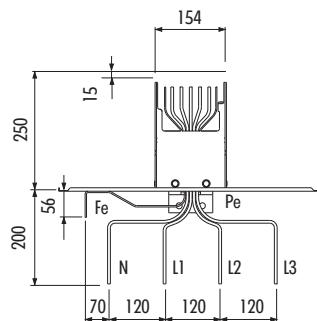
(4P) 3P + N + PE

**(BAA)**

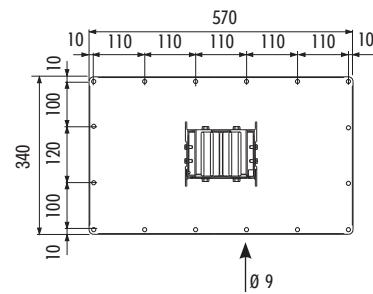
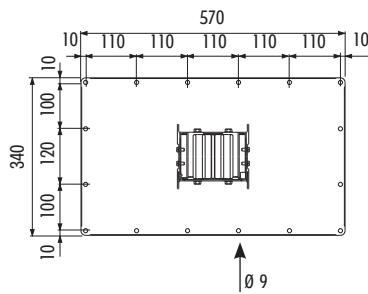
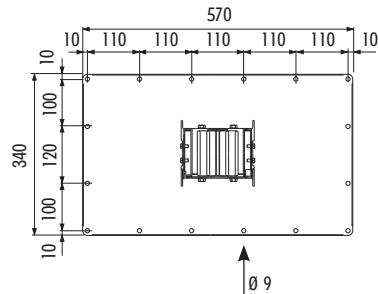
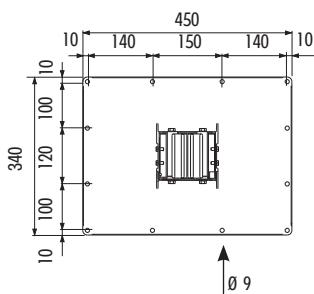
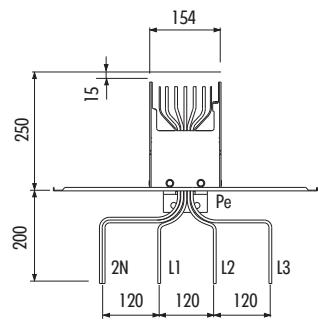
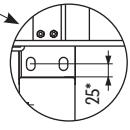
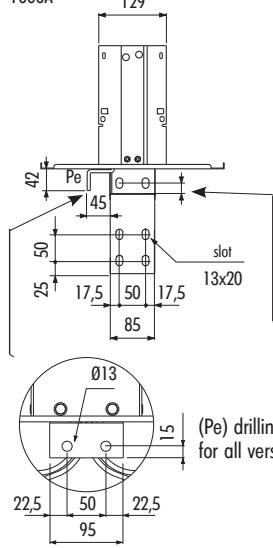
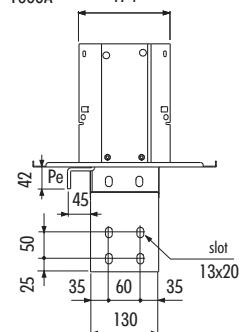
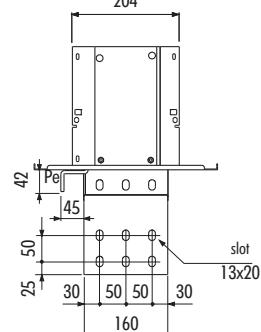
(5P) 3P + N + FE + PE

**(GAA)**

(5P) 3P + N + FE/2 + PE

**(DAA)**

(5P) 3P + 2N + PE

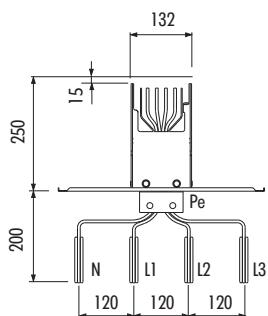
**Cu
800A
1000A**(Pe) drilling valid
for all versions.**Cu
1250A
1600A**(Fe) drilling valid
for GAA version.**Cu
2000A**

The terminal units of the IMPACT trunking system are provided with the necessary bar spacings, hole position and flange dimension in order to allow the connection to various devices to be energized (switch-board, transformer etc...)

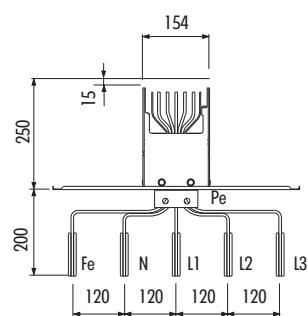
Special dimensions are achievable on request according to agreement with our technical department.

Cu 2500A ÷ 5000A**(AAA)**

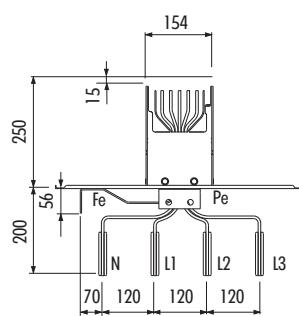
(4P) 3P + N + PE

**(BAA)**

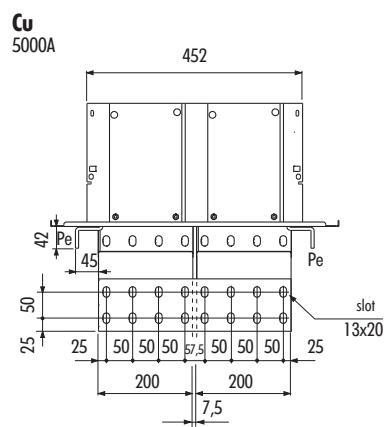
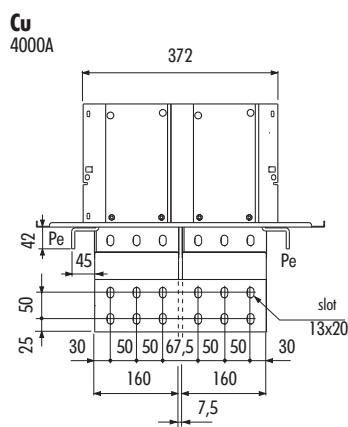
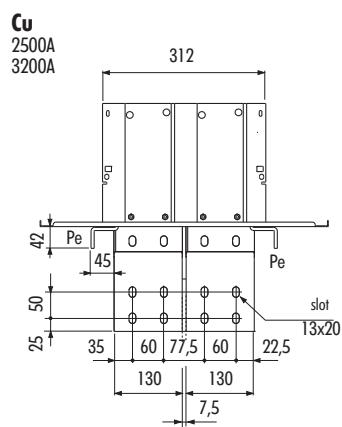
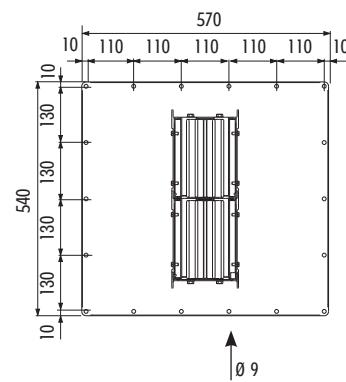
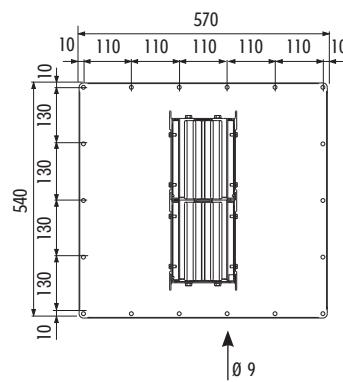
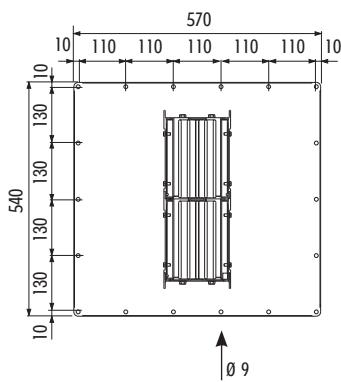
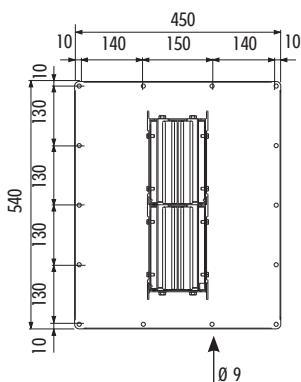
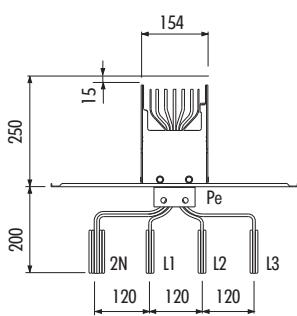
(5P) 3P + N + FE + PE

**(GAA)**

(5P) 3P + N + FE/2 + PE

**(DAA)**

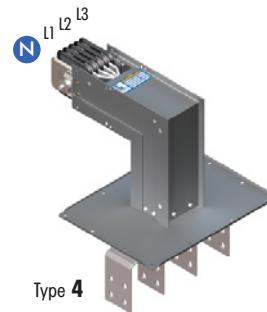
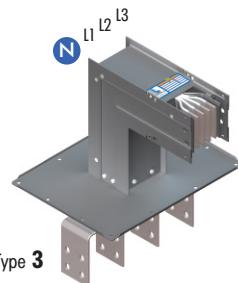
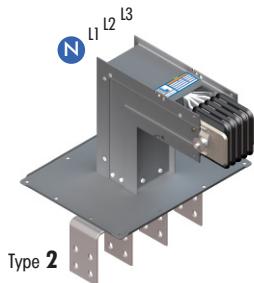
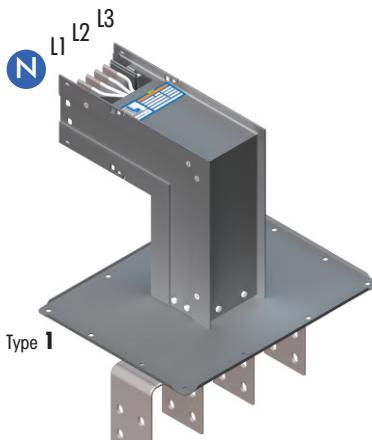
(5P) 3P + 2N + PE



Technical data see pg. 51

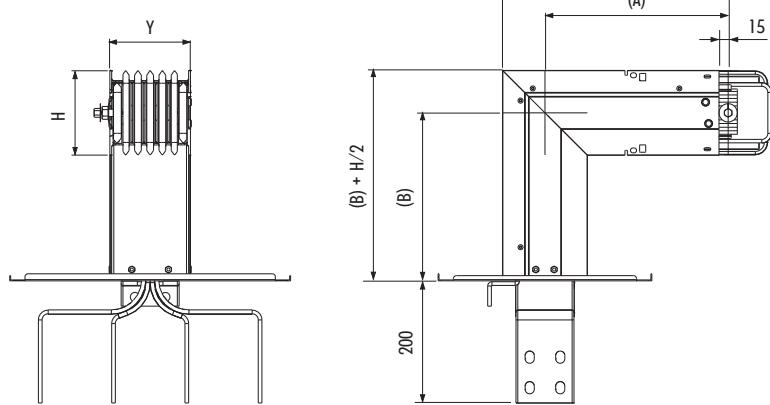
This unit is used, in particular situations, to facilitate the connection between the busbar trunking runs and the switchboard or the transformer.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08P1 1 AAA	IAC10P1 1 AAA	IAC13P1 1 AAA	IAC16P1 1 AAA	IAC20P1 1 AAA	IAC25P1 1 AAA	IMC32P1 1 AAA	IMC41P1 1 AAA	IMC51P1 1 AAA
Type 2	IAC08P1 2 AAA	IAC10P1 2 AAA	IAC13P1 2 AAA	IAC16P1 2 AAA	IAC20P1 2 AAA	IAC25P1 2 AAA	IMC32P1 2 AAA	IMC41P1 2 AAA	IMC51P1 2 AAA
Type 3	IAC08P1 3 AAA	IAC10P1 3 AAA	IAC13P1 3 AAA	IAC16P1 3 AAA	IAC20P1 3 AAA	IAC25P1 3 AAA	IMC32P1 3 AAA	IMC41P1 3 AAA	IMC51P1 3 AAA
Type 4	IAC08P1 4 AAA	IAC10P1 4 AAA	IAC13P1 4 AAA	IAC16P1 4 AAA	IAC20P1 4 AAA	IAC25P1 4 AAA	IMC32P1 4 AAA	IMC41P1 4 AAA	IMC51P1 4 AAA



AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

	(A) mm	(B) mm	(H) mm	Cu mm
800A÷2000A Cu	std. 300	300	800A 129	1000A 129
	min. 300	150	1250A 174	
	max 899	549	1600A 174	
2500A÷5000A Cu	std. 450	450	2000A 204	2500A 312
	min. 450	250	3200A 312	
	max 1049	1049	4000A 372	
			5000A 452	

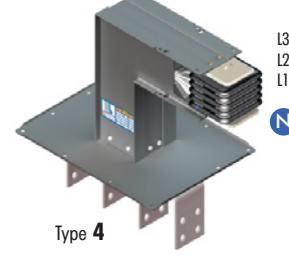
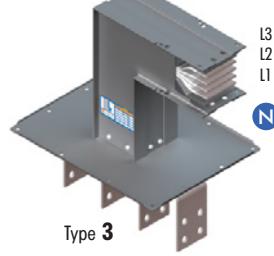
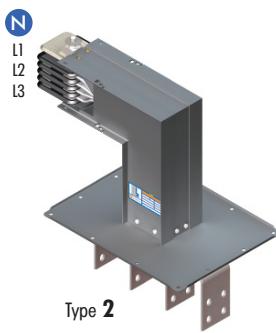
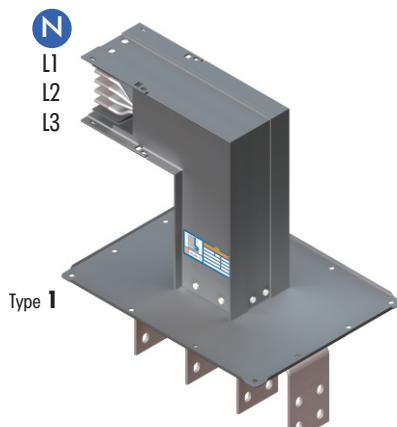
(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
mm	mm	
132	154	

N.B.
For flange and bar dimensions, please see pg. 40-41

Technical data see pg. 51

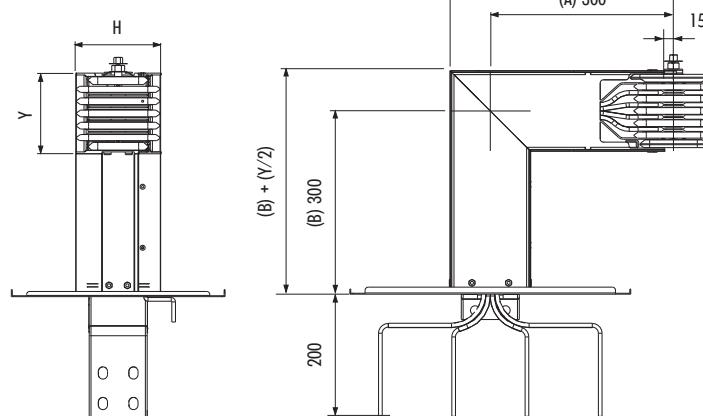
This unit is used, in particular situations, to facilitate the connection between the busbar trunking runs and the switchboard or the transformer.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08Q11 AAA	IAC10Q11 AAA	IAC13Q11 AAA	IAC16Q11 AAA	IAC20Q11 AAA	IAC25Q11 AAA	IMC32Q11 AAA	IMC41Q11 AAA	IMC51Q11 AAA
Type 2	IAC08Q12 AAA	IAC10Q12 AAA	IAC13Q12 AAA	IAC16Q12 AAA	IAC20Q12 AAA	IAC25Q12 AAA	IMC32Q12 AAA	IMC41Q12 AAA	IMC51Q12 AAA
Type 3	IAC08Q13 AAA	IAC10Q13 AAA	IAC13Q13 AAA	IAC16Q13 AAA	IAC20Q13 AAA	IAC25Q13 AAA	IMC32Q13 AAA	IMC41Q13 AAA	IMC51Q13 AAA
Type 4	IAC08Q14 AAA	IAC10Q14 AAA	IAC13Q14 AAA	IAC16Q14 AAA	IAC20Q14 AAA	IAC25Q14 AAA	IMC32Q14 AAA	IMC41Q14 AAA	IMC51Q14 AAA



AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

(A) mm	(B) mm	(H) mm	Cu	
			800A-5000A Cu	std
min	300	300	800A	129
max	250	150	1000A	129
	849	499	1250A	174
			1600A	174
			2000A	204
			2500A	312
			3200A	312
			4000A	372
			5000A	452

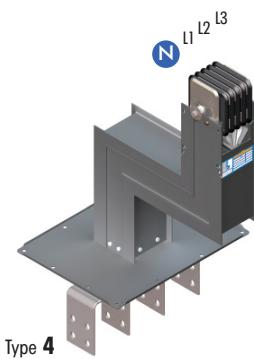
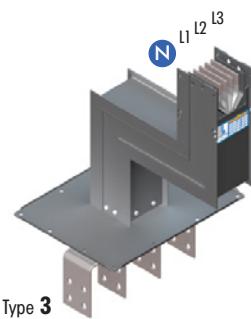
N.B.
For flange and bar dimensions, please see pg. 40-41

(Y)	4P	5P
AAA	BAA	
GAA		
DAA		
mm	mm	
132	154	

Technical data see pg. 51

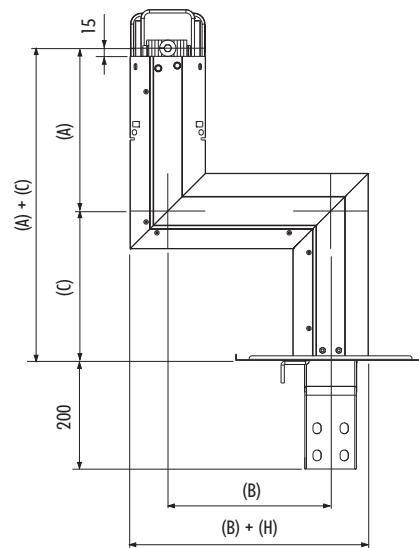
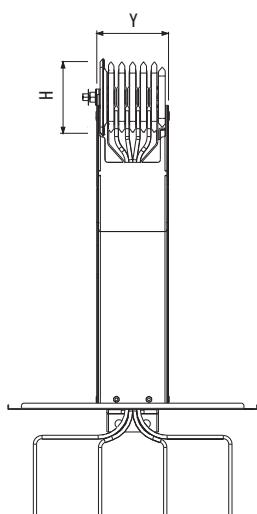
This unit is used, in particular situations, to facilitate the connection between the busbar trunking runs and the switchboard or the transformer.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08R11 AAA	IAC10R11 AAA	IAC13R11 AAA	IAC16R11 AAA	IAC20R11 AAA	IAC25R11 AAA	IMC32R11 AAA	IMC41R11 AAA	IMC51R11 AAA
Type 2	IAC08R12 AAA	IAC10R12 AAA	IAC13R12 AAA	IAC16R12 AAA	IAC20R12 AAA	IAC25R12 AAA	IMC32R12 AAA	IMC41R12 AAA	IMC51R12 AAA
Type 3	IAC08R13 AAA	IAC10R13 AAA	IAC13R13 AAA	IAC16R13 AAA	IAC20R13 AAA	IAC25R13 AAA	IMC32R13 AAA	IMC41R13 AAA	IMC51R13 AAA
Type 4	IAC08R14 AAA	IAC10R14 AAA	IAC13R14 AAA	IAC16R14 AAA	IAC20R14 AAA	IAC25R14 AAA	IMC32R14 AAA	IMC41R14 AAA	IMC51R14 AAA



AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

	(A)	(B)	(C)	(H)	Cu
	mm	mm	mm	mm	mm
800A÷2000A Cu	std 300	300	300	800A	129
	min 300	50	150	1000A	129
	max 899	599	549	1250A	174
2500A÷5000A Cu	std 450	450	450	1600A	174
	min 450	50	250	2000A	204
	max 1049	899	699	2500A	312
				3200A	312
				4000A	372
				5000A	452

N.B.
 For flange and bar dimensions, please see pg. 40-41

(Y)	4P	5P
AAA	BAA	GAA
mm	mm	mm
132	154	

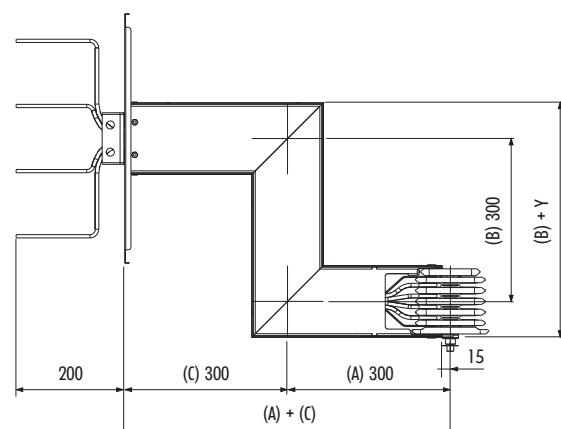
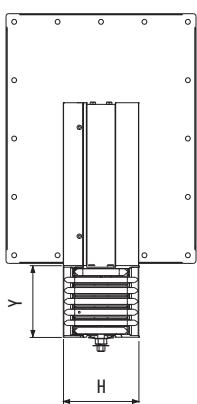
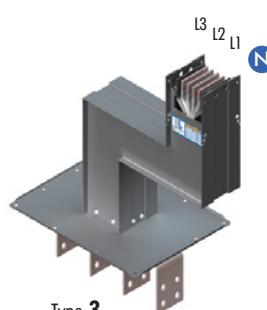
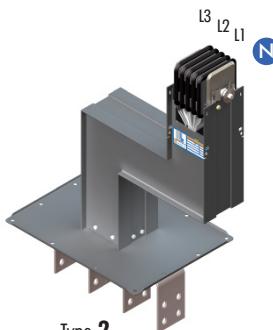
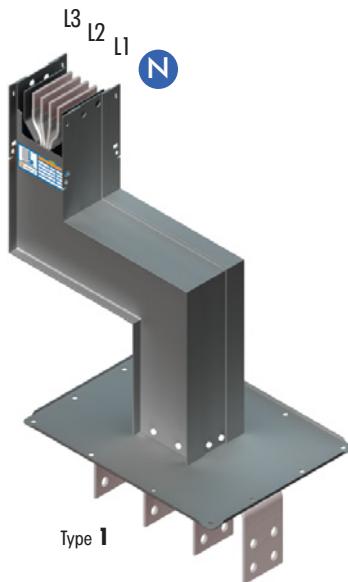
Technical data see pg. 51

This unit is used, in particular situations, to facilitate the connection between the busbar trunking runs and the switchboard or the transformer.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08S1 AAA	IAC10S1 AAA	IAC13S1 AAA	IAC16S1 AAA	IAC20S1 AAA	IAC25S1 AAA	IMC32S1 AAA	IMC41S1 AAA	IMC51S1 AAA
Type 2	IAC08S1 2AA	IAC10S1 2AA	IAC13S1 2AA	IAC16S1 2AA	IAC20S1 2AA	IAC25S1 2AA	IMC32S1 2AA	IMC41S1 2AA	IMC51S1 2AA
Type 3	IAC08S1 3AA	IAC10S1 3AA	IAC13S1 3AA	IAC16S1 3AA	IAC20S1 3AA	IAC25S1 3AA	IMC32S1 3AA	IMC41S1 3AA	IMC51S1 3AA
Type 4	IAC08S1 4AA	IAC10S1 4AA	IAC13S1 4AA	IAC16S1 4AA	IAC20S1 4AA	IAC25S1 4AA	IMC32S1 4AA	IMC41S1 4AA	IMC51S1 4AA

AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



i dimensions

	(A)	(B)	(C)	(H)	Cu	
	mm	mm	mm	mm	mm	
800A-5000A Cu	std	300	300	300	800A	129
	min	250	50	150	1000A	129
	max	849	499	499	1250A	174
					1600A	174
					2000A	204
					2500A	312
					3200A	312
					4000A	372
					5000A	452

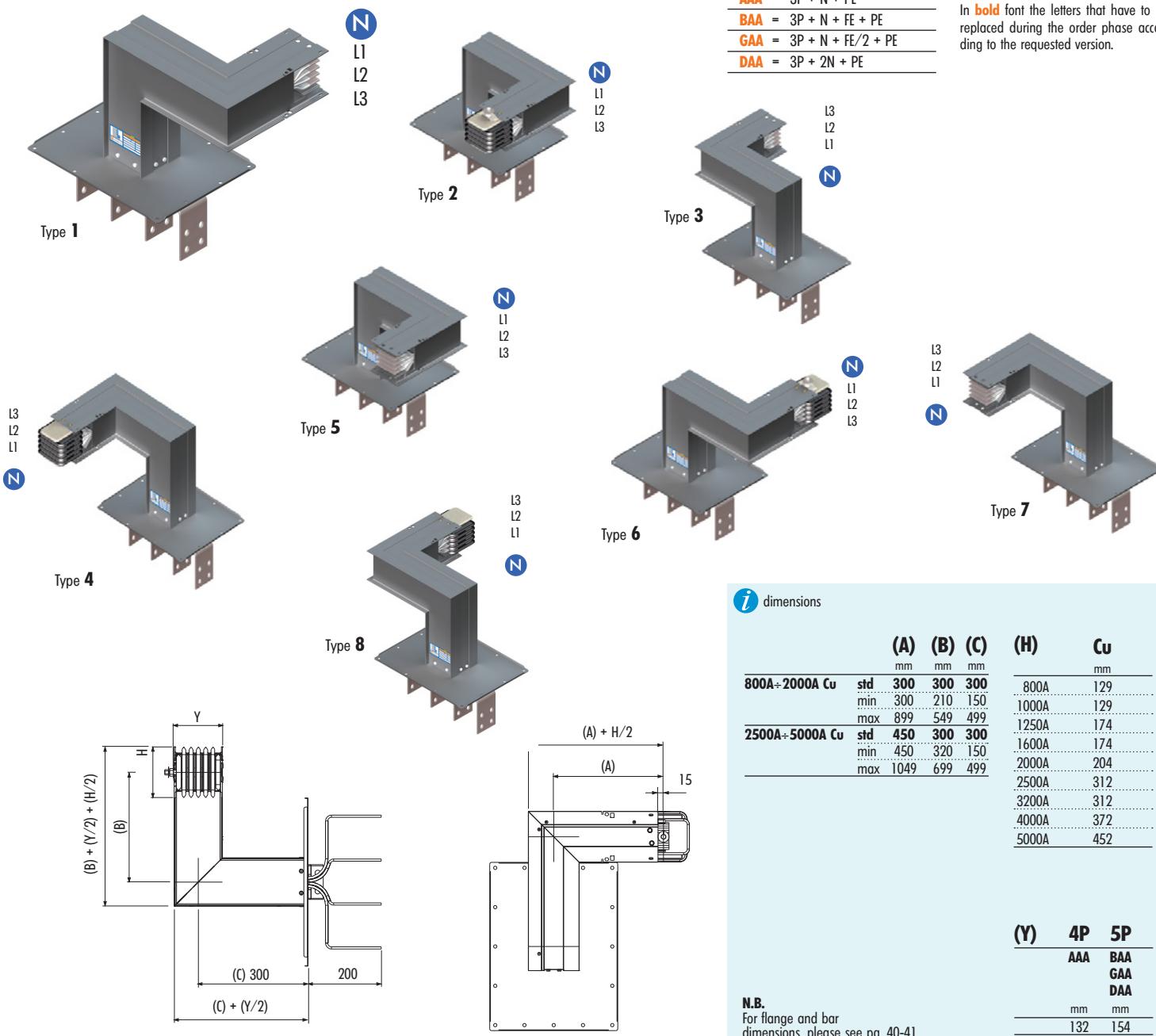
(Y)	4P	5P
AAA	BAA	GAA
		DAA
	mm	mm
	132	154

N.B.
For flange and bar dimensions, please see pg. 40-41

Technical data see pg. 51

This unit is used, in particular situations, to facilitate the connection between the busbar trunking runs and the switchboard or the transformer.

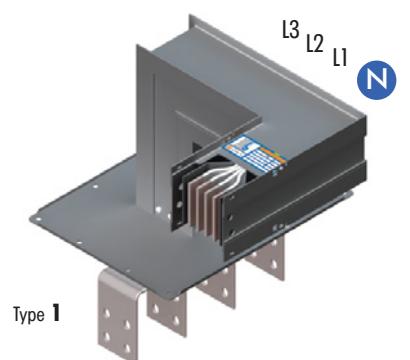
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08T1 AAA	IAC10T1 AAA	IAC13T1 AAA	IAC16T1 AAA	IAC20T1 AAA	IAC25T1 AAA	IMC32T1 AAA	IMC41T1 AAA	IMC51T1 AAA
Type 2	IAC08T2 AAA	IAC10T2 AAA	IAC13T2 AAA	IAC16T2 AAA	IAC20T2 AAA	IAC25T2 AAA	IMC32T2 AAA	IMC41T2 AAA	IMC51T2 AAA
Type 3	IAC08T3 AAA	IAC10T3 AAA	IAC13T3 AAA	IAC16T3 AAA	IAC20T3 AAA	IAC25T3 AAA	IMC32T3 AAA	IMC41T3 AAA	IMC51T3 AAA
Type 4	IAC08T4 AAA	IAC10T4 AAA	IAC13T4 AAA	IAC16T4 AAA	IAC20T4 AAA	IAC25T4 AAA	IMC32T4 AAA	IMC41T4 AAA	IMC51T4 AAA
Type 5	IAC08T5 AAA	IAC10T5 AAA	IAC13T5 AAA	IAC16T5 AAA	IAC20T5 AAA	IAC25T5 AAA	IMC32T5 AAA	IMC41T5 AAA	IMC51T5 AAA
Type 6	IAC08T6 AAA	IAC10T6 AAA	IAC13T6 AAA	IAC16T6 AAA	IAC20T6 AAA	IAC25T6 AAA	IMC32T6 AAA	IMC41T6 AAA	IMC51T6 AAA
Type 7	IAC08T7 AAA	IAC10T7 AAA	IAC13T7 AAA	IAC16T7 AAA	IAC20T7 AAA	IAC25T7 AAA	IMC32T7 AAA	IMC41T7 AAA	IMC51T7 AAA
Type 8	IAC08T8 AAA	IAC10T8 AAA	IAC13T8 AAA	IAC16T8 AAA	IAC20T8 AAA	IAC25T8 AAA	IMC32T8 AAA	IMC41T8 AAA	IMC51T8 AAA



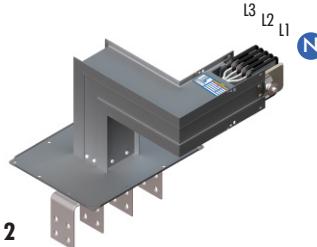
Technical data see pg. 51

This unit is used, in particular situations, to facilitate the connection between the busbar trunking runs and the switchboard or the transformer.

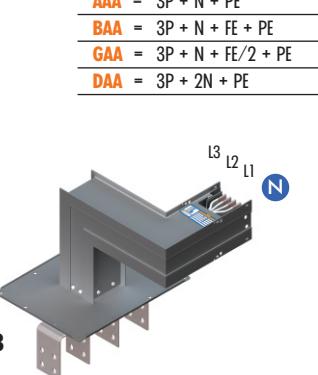
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08U11 AAA	IAC10U11 AAA	IAC13U11 AAA	IAC16U11 AAA	IAC20U11 AAA	IAC25U11 AAA	IMC32U11 AAA	IMC41U11 AAA	IMC51U11 AAA
Type 2	IAC08U12 AAA	IAC10U12 AAA	IAC13U12 AAA	IAC16U12 AAA	IAC20U12 AAA	IAC25U12 AAA	IMC32U12 AAA	IMC41U12 AAA	IMC51U12 AAA
Type 3	IAC08U13 AAA	IAC10U13 AAA	IAC13U13 AAA	IAC16U13 AAA	IAC20U13 AAA	IAC25U13 AAA	IMC32U13 AAA	IMC41U13 AAA	IMC51U13 AAA
Type 4	IAC08U14 AAA	IAC10U14 AAA	IAC13U14 AAA	IAC16U14 AAA	IAC20U14 AAA	IAC25U14 AAA	IMC32U14 AAA	IMC41U14 AAA	IMC51U14 AAA
Type 5	IAC08U15 AAA	IAC10U15 AAA	IAC13U15 AAA	IAC16U15 AAA	IAC20U15 AAA	IAC25U15 AAA	IMC32U15 AAA	IMC41U15 AAA	IMC51U15 AAA
Type 6	IAC08U16 AAA	IAC10U16 AAA	IAC13U16 AAA	IAC16U16 AAA	IAC20U16 AAA	IAC25U16 AAA	IMC32U16 AAA	IMC41U16 AAA	IMC51U16 AAA
Type 7	IAC08U17 AAA	IAC10U17 AAA	IAC13U17 AAA	IAC16U17 AAA	IAC20U17 AAA	IAC25U17 AAA	IMC32U17 AAA	IMC41U17 AAA	IMC51U17 AAA
Type 8	IAC08U18 AAA	IAC10U18 AAA	IAC13U18 AAA	IAC16U18 AAA	IAC20U18 AAA	IAC25U18 AAA	IMC32U18 AAA	IMC41U18 AAA	IMC51U18 AAA



Type 2



Type 3



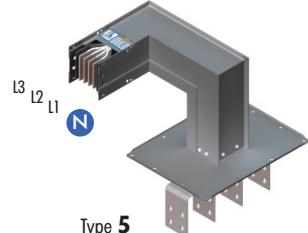
Type 1

AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



Type 4



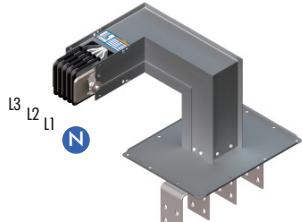
Type 5



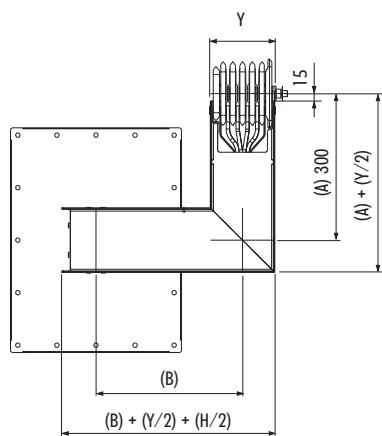
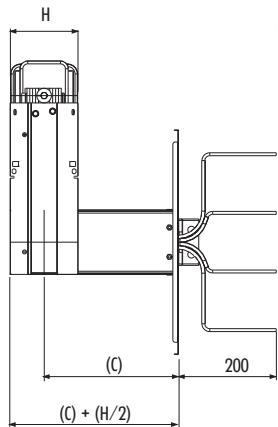
Type 6



Type 7



Type 8

*i* dimensions

	(A)	(B)	(C)	(H)	Cu	
	mm	mm	mm	mm	mm	
800A÷2000A Cu	std	300	300	300	800A	129
	min	250	210	150	1000A	129
	max	849	549	549	1250A	174
2500A÷5000A Cu	std	300	300	450	1600A	174
	min	250	320	230	2000A	204
	max	849	699	699	2500A	312
					3200A	312
					4000A	372
					5000A	452

(Y)	4P	5P
AAA	BAA	GAA
		DAA
	mm	mm
	132	154

N.B.

For flange and bar dimensions, please see pg. 40-41

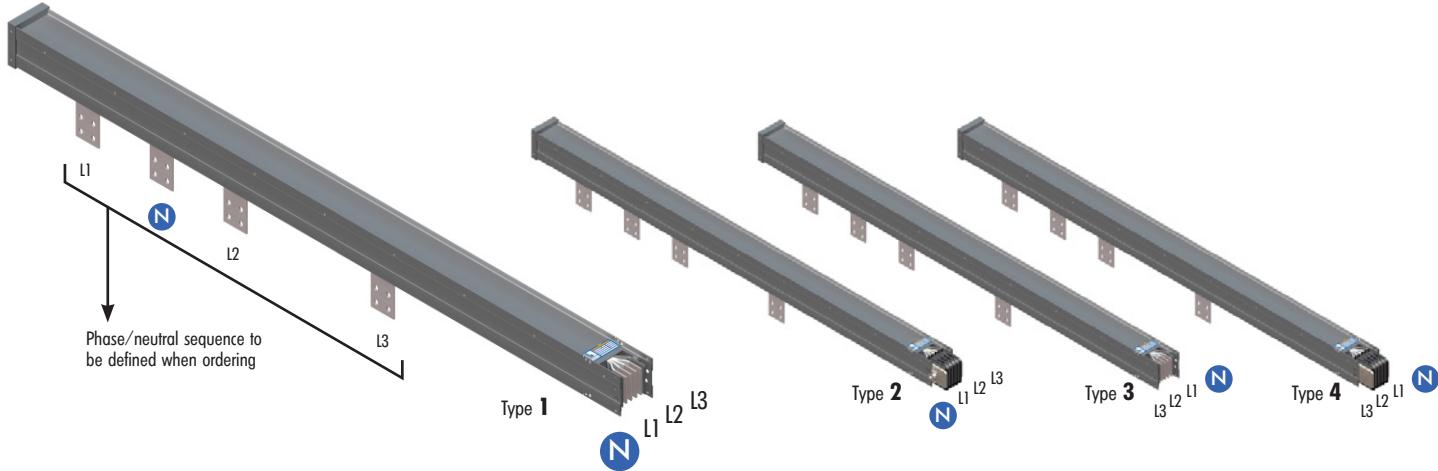
Technical data see pg. 51

This unit is used to prepare the connection between the busbar trunking run and the resin transformer.

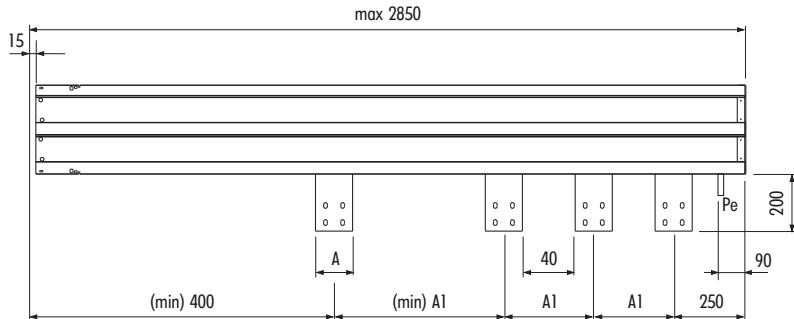
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08N1 1AAA	IAC10N1 1AAA	IAC13N1 1AAA	IAC16N1 1AAA	IAC20N1 1AAA	IAC25N1 1AAA	IMC32N1 1AAA	IMC41N1 1AAA	IMC51N1 1AAA
Type 2	IAC08N1 2AAA	IAC10N1 2AAA	IAC13N1 2AAA	IAC16N1 2AAA	IAC20N1 2AAA	IAC25N1 2AAA	IMC32N1 2AAA	IMC41N1 2AAA	IMC51N1 2AAA
Type 3	IAC08N1 3AAA	IAC10N1 3AAA	IAC13N1 3AAA	IAC16N1 3AAA	IAC20N1 3AAA	IAC25N1 3AAA	IMC32N1 3AAA	IMC41N1 3AAA	IMC51N1 3AAA
Type 4	IAC08N1 4AAA	IAC10N1 4AAA	IAC13N1 4AAA	IAC16N1 4AAA	IAC20N1 4AAA	IAC25N1 4AAA	IMC32N1 4AAA	IMC41N1 4AAA	IMC51N1 4AAA

AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

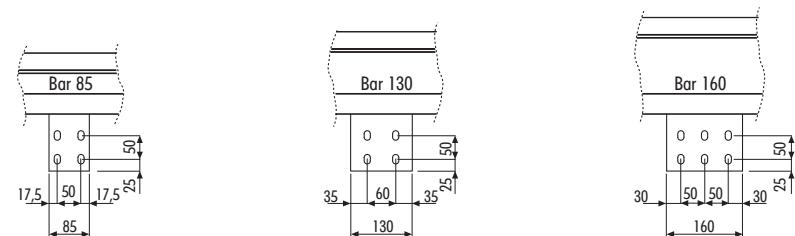
In **bold** font the letters that have to be replaced during the order phase according to the requested version.

**N.B.**

For correct dimensions, please contact our technical department.



Rating	A	A1
800A Cu - 1000A Cu	85	A+40
1250A Cu	130	A+40
1600A Cu	130	A+40
2000A Cu	160	A+40
2500A Cu	130	A+40
3200A Cu	130	A+40
4000A Cu	160	A+40
5000A Cu	200	A+40



(H)		dimensions	
(H)	Cu	mm	mm
800A	129		
1000A	129		
1250A	174		
1600A	174		
2000A	204		
2500A	312		
3200A	312		
4000A	372		
5000A	452		

(Y)	4P	5P
AAA	BAA	GAA
		DAA
mm	mm	
132	154	

Technical data see pg. 51

This unit is used if the busbar trunking system is fed by cables.

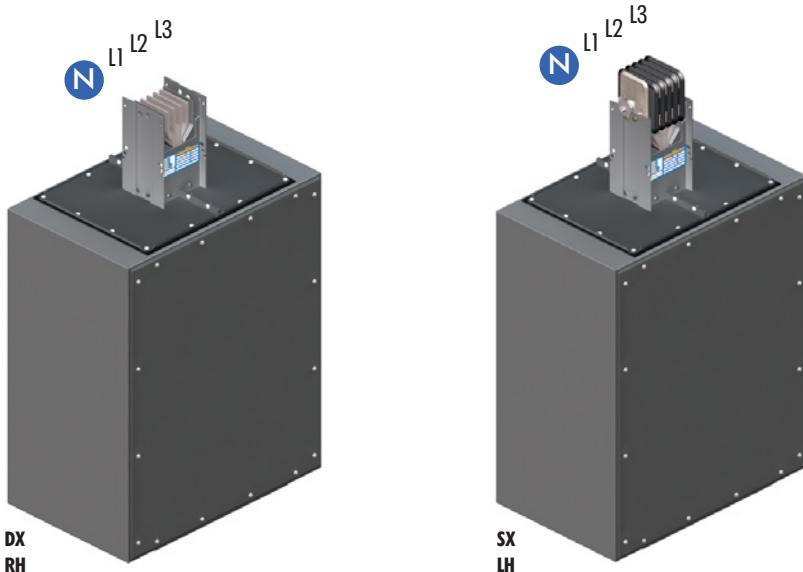
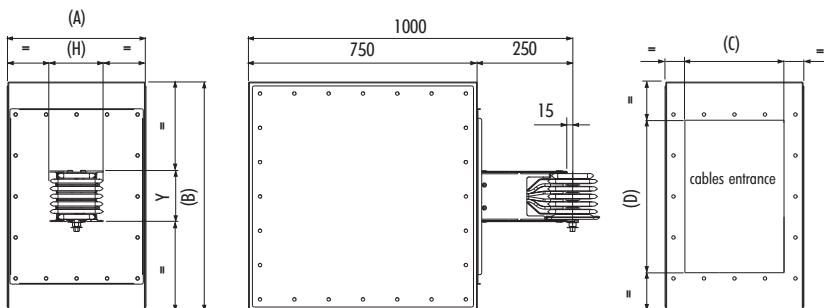
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
----	------	-------	-------	-------	-------	-------	-------	-------	-------

Standard

DX-RH	IAC08V01 AAA	IAC10V01 AAA	IAC13V01 AAA	IAC16V01 AAA	IAC20V01 AAA	IAC25V01 AAA	IMC32V01 AAA	IMC41V01 AAA	IMC51V01 AAA
SX-LH	IAC08V02 AAA	IAC10V02 AAA	IAC13V02 AAA	IAC16V02 AAA	IAC20V02 AAA	IAC25V02 AAA	IMC32V02 AAA	IMC41V02 AAA	IMC51V02 AAA

Special

DX-RH	IAC08V11 AAA	IAC10V11 AAA	IAC13V11 AAA	IAC16V11 AAA	IAC20V11 AAA	IAC25V11 AAA	IMC32V11 AAA	IMC41V11 AAA	IMC51V11 AAA
SX-LH	IAC08V12 AAA	IAC10V12 AAA	IAC13V12 AAA	IAC16V12 AAA	IAC20V12 AAA	IAC25V12 AAA	IMC32V12 AAA	IMC41V12 AAA	IMC51V12 AAA

AAA = 3P + N + PE**BAA** = 3P + N + FE + PE**GAA** = 3P + N + FE/2 + PE**DAA** = 3P + 2N + PEIn **bold** font the letters that have to be replaced during the order phase according to the requested version.*i* dimensions

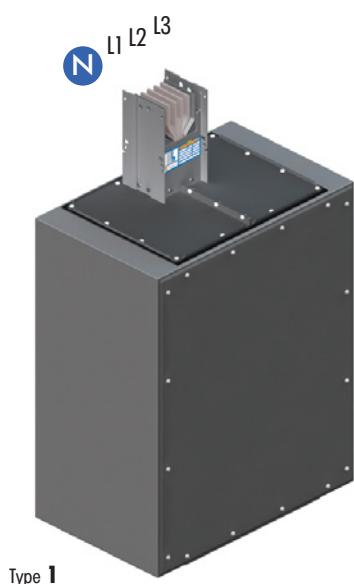
(D)	(A)	(B)	(C)	(H)	Cu
	mm	mm	mm	mm	mm
800A÷2000A Cu	380	600	290	400	129
2500A÷5000A Cu	600	600	490	400	174
					1600A
					2000A
					2500A
					3200A
					4000A
					5000A

(Y)	4P	5P
AAA	BAA	GAA
		DAA
	mm	mm
	132	154

Technical data see pg. 51

This unit is used to feed the busbar trunking system by cable in high-rise vertical runs. The busbars position in relation to the box body allows the installation of the unit on the wall allowing the use of vertical run fixing units. (pg 84)

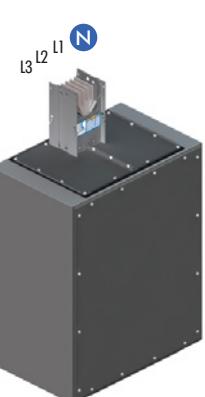
Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
Type 1	IAC08V31 AAA	IAC10V31 AAA	IAC13V31 AAA	IAC16V31 AAA	IAC20V31 AAA	IAC25V31 AAA	IMC32V31 AAA	IMC41V31 AAA	IMC51V31 AAA
Type 2	IAC08V32 AAA	IAC10V32 AAA	IAC13V32 AAA	IAC16V32 AAA	IAC20V32 AAA	IAC25V32 AAA	IMC32V32 AAA	IMC41V32 AAA	IMC51V32 AAA
Type 3	IAC08V33 AAA	IAC10V33 AAA	IAC13V33 AAA	IAC16V33 AAA	IAC20V33 AAA	IAC25V33 AAA	IMC32V33 AAA	IMC41V33 AAA	IMC51V33 AAA
Type 4	IAC08V34 AAA	IAC10V34 AAA	IAC13V34 AAA	IAC16V34 AAA	IAC20V34 AAA	IAC25V34 AAA	IMC32V34 AAA	IMC41V34 AAA	IMC51V34 AAA



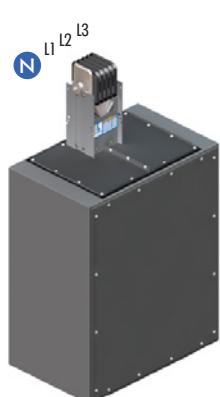
Type 1



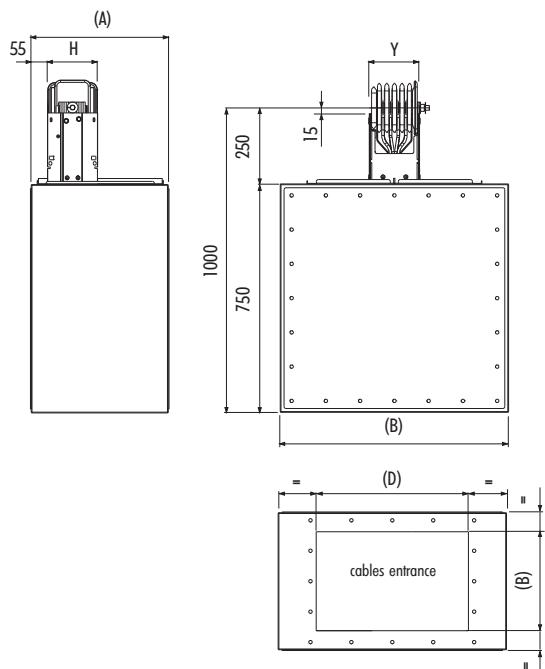
Type 2



Type 3



Type 4



dimensions

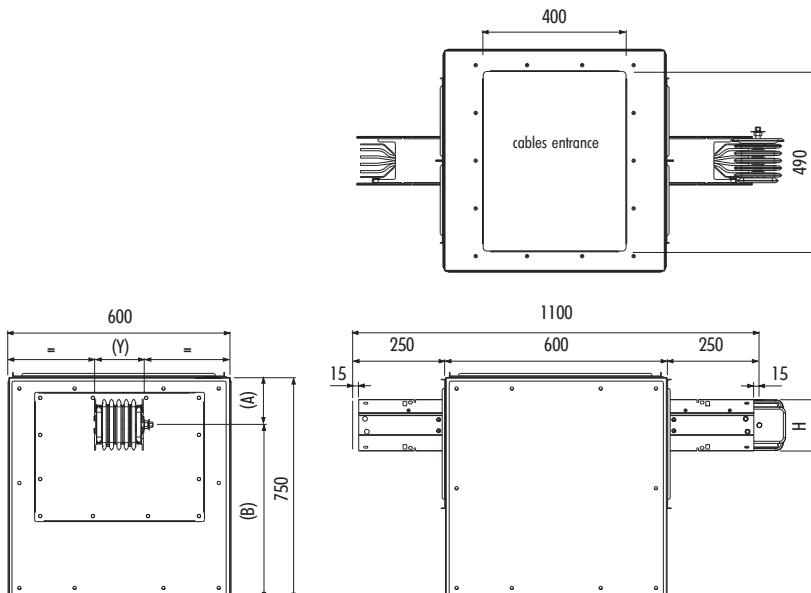
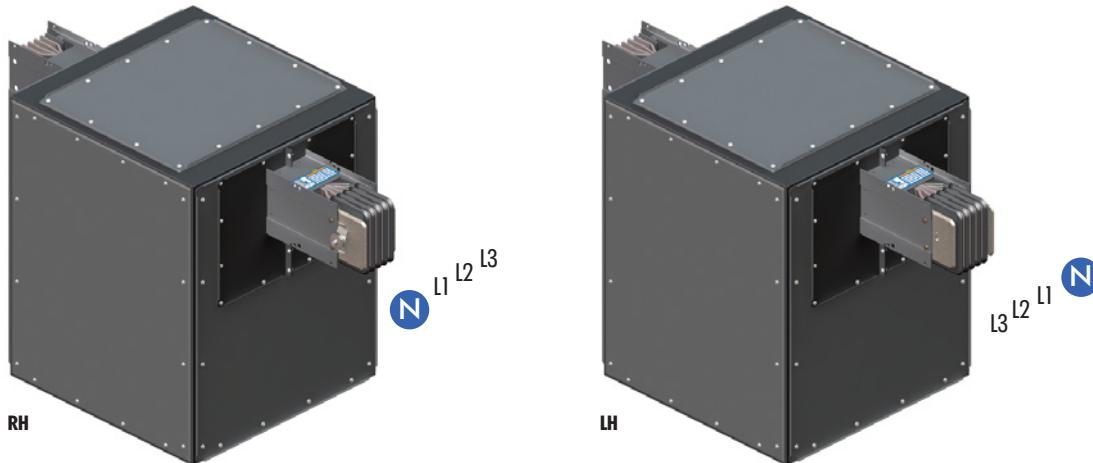
(D)	(A)	(B)	(C)	(H)	Cu	
	mm	mm	mm	mm	mm	
800A-2000A Cu	380	600	290	400	800A	129
					1000A	129
					1250A	174
					1600A	174
					2000A	204
					2500A	312
					3200A	312
					4000A	372
					5000A	452

(Y)	4P	5P
AAA	BAA	GAA
		DAA
	mm	mm
	132	154

Technical data see pg. 51

This unit is used as a feed unit (by cables) in the mid point of a busbar trunking run.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
DX-RH	IAC08V41 AAA	IAC10V41 AAA	IAC13V41 AAA	IAC16V41 AAA	IAC20V41 AAA	IAC25V41 AAA	IMC32V41 AAA	IMC41V41 AAA	IMC51V41 AAA
SX-LH	IAC08V42 AAA	IAC10V42 AAA	IAC13V42 AAA	IAC16V42 AAA	IAC20V42 AAA	IAC25V42 AAA	IMC32V42 AAA	IMC41V42 AAA	IMC51V42 AAA

AAA = 3P + N + PE**BAA** = 3P + N + FE + PE**GAA** = 3P + N + FE/2 + PE**DAA** = 3P + 2N + PEIn **bold** font the letters that have to be replaced during the order phase according to the requested version.**i** dimensions

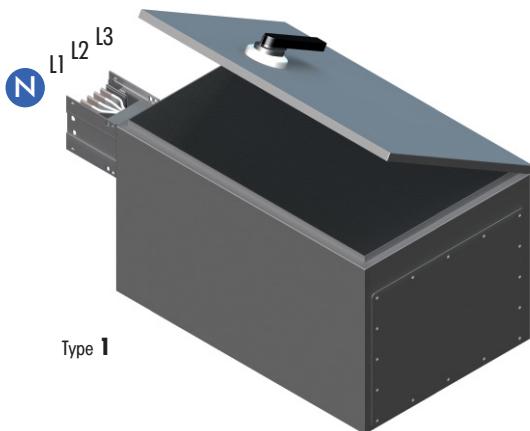
Cu	(A) mm	(B) mm	(H)	Cu mm
630A	110	640		800A 129
800A				1000A 129
1000A				1250A 174
1250A	132	618		1600A 174
1600A				2000A 204
2000A	147	603		2500A 312
2500A	211	549		3200A 312
3200A				4000A 372
4000A	231	519		5000A 452
2000A	251	499		

(Y)	4P	5P
AAA	BAA	
	GAA	
	DAA	
mm	mm	
132	154	

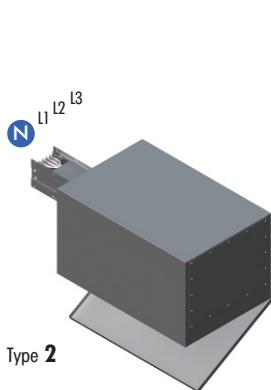
Technical data see pg. 51

This unit is used as a busbar trunking feeder. The standard version is offered with a switch-disconnector. On request, a fuseholder or an automatic switch (MCCB) is available.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000
Type 1	IAC08V21 AAA	IAC10V21 AAA	IAC13V21 AAA	IAC16V21 AAA	IAC20V21 AAA	IAC25V21 AAA	IMC32V21 AAA	IMC41V21 AAA	IMC51V21 AAA
Type 2	IAC08V22 AAA	IAC10V22 AAA	IAC13V22 AAA	IAC16V22 AAA	IAC20V22 AAA	IAC25V22 AAA	IMC32V22 AAA	IMC41V22 AAA	IMC51V22 AAA
Type 3	IAC08V23 AAA	IAC10V23 AAA	IAC13V23 AAA	IAC16V23 AAA	IAC20V23 AAA	IAC25V23 AAA	IMC32V23 AAA	IMC41V23 AAA	IMC51V23 AAA
Type 4	IAC08V24 AAA	IAC10V24 AAA	IAC13V24 AAA	IAC16V24 AAA	IAC20V24 AAA	IAC25V24 AAA	IMC32V24 AAA	IMC41V24 AAA	IMC51V24 AAA
Type 5	IAC08V25 AAA	IAC10V25 AAA	IAC13V25 AAA	IAC16V25 AAA	IAC20V25 AAA	IAC25V25 AAA	IMC32V25 AAA	IMC41V25 AAA	IMC51V25 AAA
Type 6	IAC08V26 AAA	IAC10V26 AAA	IAC13V26 AAA	IAC16V26 AAA	IAC20V26 AAA	IAC25V26 AAA	IMC32V26 AAA	IMC41V26 AAA	IMC51V26 AAA
Type 7	IAC08V27 AAA	IAC10V27 AAA	IAC13V27 AAA	IAC16V27 AAA	IAC20V27 AAA	IAC25V27 AAA	IMC32V27 AAA	IMC41V27 AAA	IMC51V27 AAA
Type 8	IAC08V28 AAA	IAC10V28 AAA	IAC13V28 AAA	IAC16V28 AAA	IAC20V28 AAA	IAC25V28 AAA	IMC32V28 AAA	IMC41V28 AAA	IMC51V28 AAA



Type 1

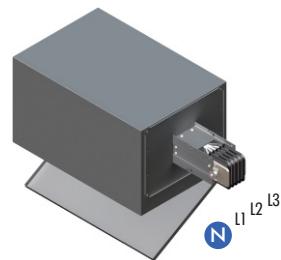


Type 2

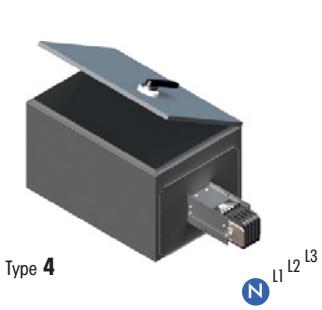
AAA = 3P + N + PE
BAA = 3P + N + FE + PE
GAA = 3P + N + FE/2 + PE
DAA = 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.

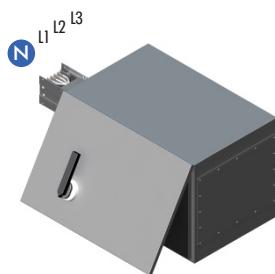
N.B.
For dimensions and volumes, please contact our technical department.



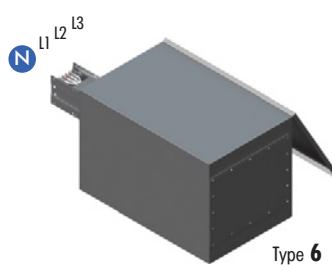
Type 3



Type 4



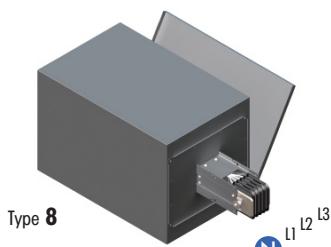
Type 5



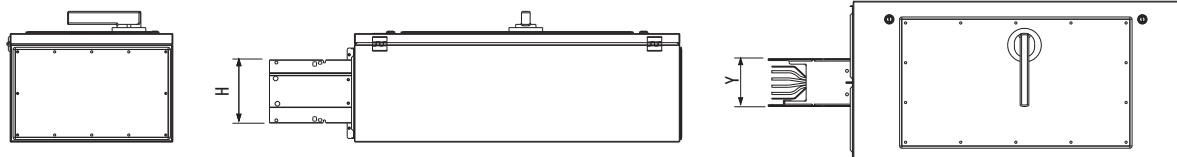
Type 6



Type 7

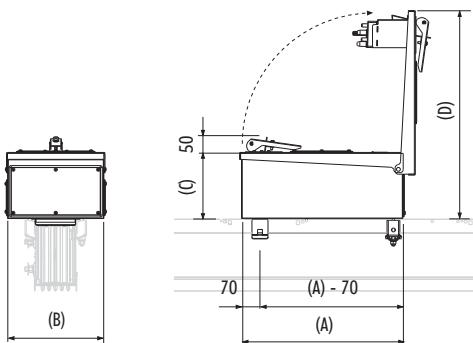
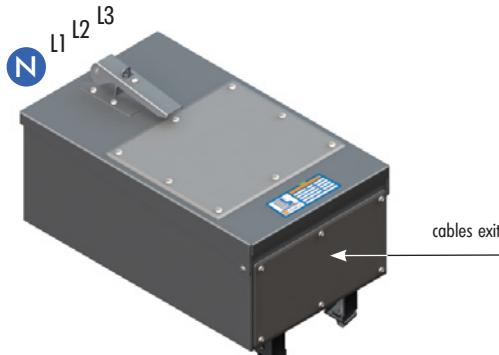


Type 8



<i>i</i> dimensions	
(H)	Cu
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452

(Y)	4P	5P
AAA	BAA	GAA
mm	mm	mm
132	154	



With fuse holder (fuses not included)

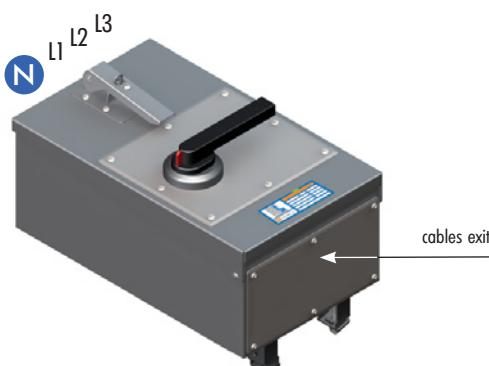
This unit is used to take power from the busbar trunking straight elements. The tap-off unit is equipped with a fuseholder (fuses not included). Nominal rating from 63A to 315A.

Code	(A) mm	(B) mm	(C) mm	(D) mm	fuse size
63A IMX00WF1 AAA	420	280	170	525	NH00
160A IMX00WF2 AAA	520	320	210	650	NH00
250A IMX00WF3 AAA	520	320	210	650	NH1
315A IMX00WF4 AAA	620	320	245	750	NH2

conductor	AAA	BAA	GAA	DAA
	●	-	-	-
AAA = 3P + N + PE	●	-	-	-
BAA = 3P + N + FE + PE	-	●	●	-
RAA = 3P + NP + PE	●	-	-	-
SAA = 3P + NP + FE + PE	-	●	●	-
DAA = 3P + 2N + PE	-	-	-	●

● to be used - not available

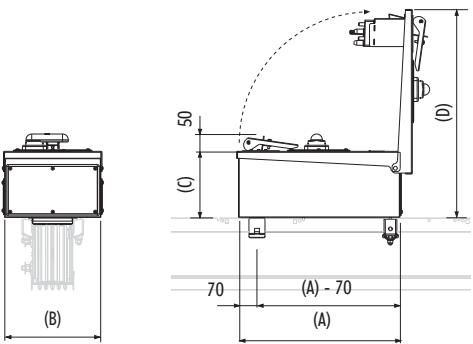
N.B.
For further information, please contact our technical department.



With switch-disconnector + fuse holder (fuses not included)

This unit is used to take power from the busbar trunking straight elements. The tap-off unit is equipped with a rotary switch-disconnector (AC23A) and fuse holder (fuses not included). Nominal rating from 63A to 250A.

Code	(A) mm	(B) mm	(C) mm	(D) mm	fuse size
63A IMX00WF5 AAA	520	320	210	650	NH00
160A IMX00WF8 AAA	520	320	210	650	NH00
250A IMX00WF9 AAA	700	320	245	855	NH1

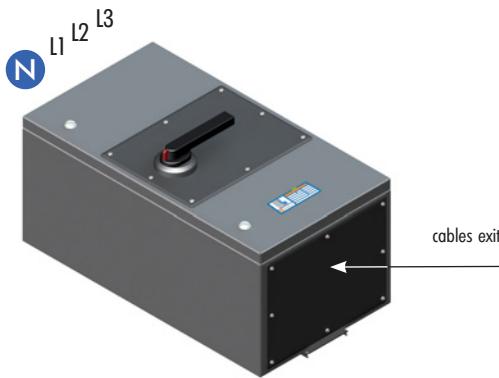


In **bold** font the letters that have to be replaced during the order phase according to the requested version.

conductor	AAA	BAA	GAA	DAA
	●	-	-	-
AAA = 3P + N + PE	●	-	-	-
BAA = 3P + N + FE + PE	-	●	●	-
RAA = 3P + NP + PE	●	-	-	-
SAA = 3P + NP + FE + PE	-	●	●	-
DAA = 3P + 2N + PE	-	-	-	●

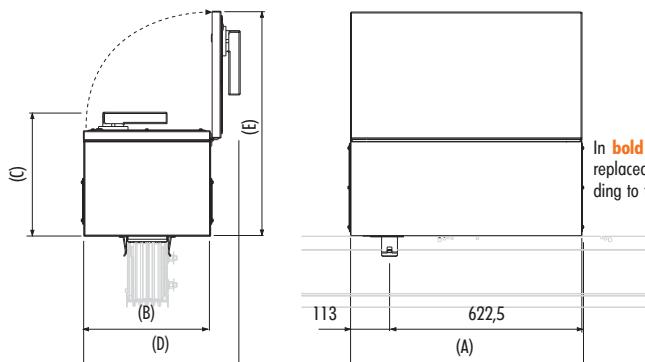
● to be used - not available

N.B.
For further information, please contact our technical department.

**With switch-disconnector + fuse holder (fuses not included)**

This unit is used to take power from the busbar trunking straight elements. The tap-off unit is equipped with a rotary switch-disconnector (AC23A) and fuse holder (fuses not included). Nominal rating from 400A to 630A.

Code	(A) mm	(B) mm	(C) mm	(D) mm	(E) mm	fuse
400A IMX00WF6 AAA	735	420	340	450	710	NH3
630A IMX00WF7 AAA	735	420	340	450	710	NH3



In **bold** font the letters that have to be replaced during the order phase according to the requested version.

	AAA	BAA	GAA	DAA
AAA = 3P + N + PE	●	-	-	-
BAA = 3P + N + FE + PE	-	●	●	-
RAA = 3P + NP + PE	●	-	-	-
SAA = 3P + NP + FE + PE	-	●	●	-
DAA = 3P + 2N + PE	-	-	-	●

● to be used - not available

N.B.
For further information, please contact our technical department.

**Suitable for modular switches (MCB)**

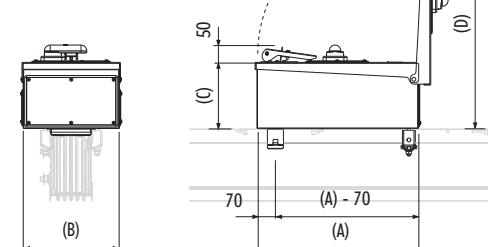
This unit is used to take power from the busbar trunking only through distribution straight elements. It is suitable for the modular switches (MCB) insertion on the DIN guide and it is available in 4 modules, 7.5 modules and 11 modules versions. Nominal rating max 250A. On request, it can be supplied with modular switches included.

Code	(A) mm	(B) mm	(C) mm	(D) mm
4 modules	420	280	170	525
250A IMX00WM2 AAA	420	280	170	525
11 modules	420	280	170	525

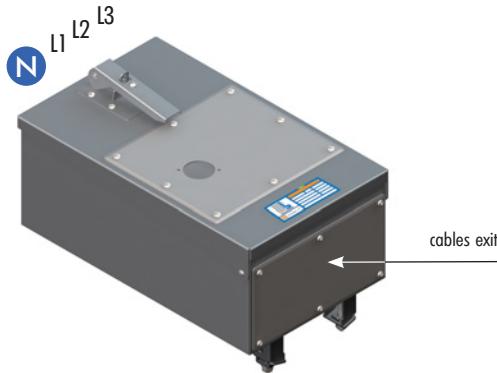
	AAA	BAA	GAA	DAA
AAA = 3P + N + PE	●	-	-	-
BAA = 3P + N + FE + PE	-	●	●	-
RAA = 3P + NP + PE	●	-	-	-
SAA = 3P + NP + FE + PE	-	●	●	-
DAA = 3P + 2N + PE	-	-	-	●

● to be used - not available

N.B.
For further information, please contact our technical department.



In **bold** font the letters that have to be replaced during the order phase according to the requested version.



This unit is used to take power from the busbar trunking straight elements. It is suitable for the automatic switch-disconnectors (MCCB) insertion such as TMAX (ABB SACE), NS (SCHNEIDER ELECTRIC), DPX (LEGRAND) or RECORD PLUS (GENERAL ELECTRIC). The prearrangement has the fixed switches insertion with front terminals, equipped with transmitted rotating handle.

The tap-off unit can be supplied prearranged (switch excluded) or with switch included.

On request, prearrangements for switches with special equipment (residual current releases, energy motor operator, etc...) or prearrangements for different brand and type of switches.

Nominal rating from 63A to 315A.

Suitable for TMAX (ABB SACE) automatic switches (MCCB)

Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
63A IMX00WT1 AAA	520	320	210	650	TMAX T1
160A IMX00WT2 AAA	520	320	210	650	TMAX T2
250A IMX00WT3 AAA	520	320	210	650	TMAX T3
315A IMX00WT4 AAA	620	320	245	750	TMAX T4

Suitable for NS (SCHNEIDER ELECTRIC) automatic switches (MCCB)

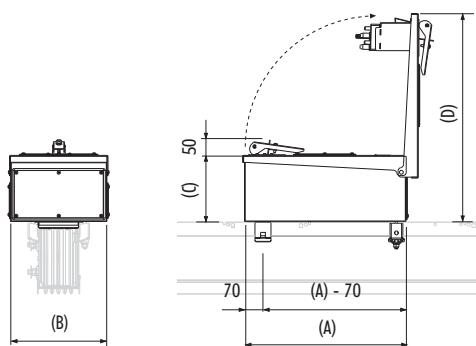
Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
160A IMX00WN1 AAA	520	320	210	650	NS 160
250A IMX00WN2 AAA	520	320	210	650	NS 250

Suitable for DPX (LEGRAND) automatic switches (MCCB)

Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
63A IMX00WL1 AAA	420	280	190	525	DPX 125
160A IMX00WL2 AAA	520	320	210	650	DPX 160
250A IMX00WL3 AAA	620	320	240	750	DPX 250
315A IMX00WL4 AAA	700	320	245	855	DPX 630

Suitable for RECORD PLUS (GENERAL ELECTRIC) automatic switches (MCCB)

Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
160A IMX00WG1 AAA	520	320	210	650	FD 160
160A IMX00WG2 AAA	620	320	245	750	FE 160
250A IMX00WG3 AAA	620	320	245	750	FE 250

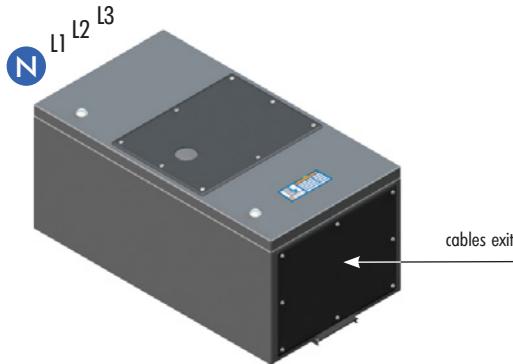


In **bold** font the letters that have to be replaced during the order phase according to the requested version.

	AAA	BAA	GAA	DAA
AAA = 3P + N + PE	●	-	-	-
BAA = 3P + N + FE + PE	-	●	●	-
RAA = 3P + NP + PE	●	-	-	-
SAA = 3P + NP + FE + PE	-	●	●	-
DAA = 3P + 2N + PE	-	-	-	●

● to be used - not available

N.B.
For further information, please contact our technical department.



This unit is used to take power from the busbar trunking straight elements. It is suitable for the automatic switch-disconnectors insertion such as TMAX (ABB SACE), NS (SCHNEIDER ELECTRIC) o DPX (LEGRAND) or RECORD PLUS (GENERAL ELECTRIC). The prearrangement has the fixed switches insertion with front terminals, equipped with transmitted rotating handle.

The tap-off unit can be supplied prearranged (switch excluded) or with switch included.

On request, prearrangements for switches with special equipment (residual current releases, energy motor operator, etc...) or prearrangements for different brand and type of switches.

Nominal rating from 400A to 630A.

Suitable for TMAX (ABB SACE) automatic switches (MCCB)

	Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
400A	IMX00WT5AAA	735	420	340	710	TMAX T5
630A	IMX00WT6AAA	735	420	340	710	TMAX T6

Suitable for NS (SCHNEIDER ELECTRIC) automatic switches (MCCB)

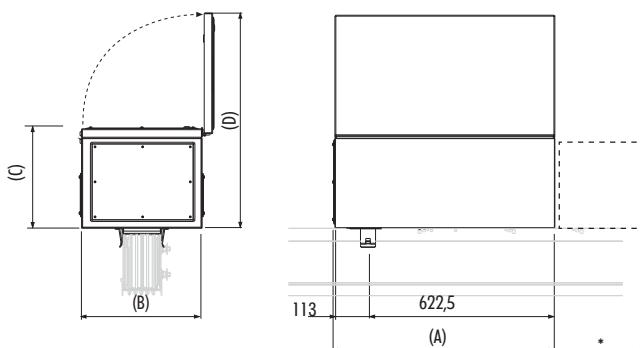
	Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
400A	IMX00WN3AAA	735	420	340	710	NS 400
630A	IMX00WN4AAA	735	420	340	710	NS 630

Suitable for DPX (LEGRAND) automatic switches (MCCB)

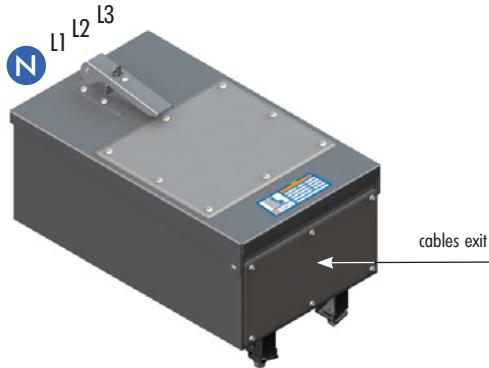
	Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
400A	IMX00WL5AAA	735	420	340	710	DPX 630
500A	IMX00WL6AAA	735	420	340	710	DPX 630
630A	IMX00WL7AAA	735	420	340	710	DPX 630

Suitable for RECORD PLUS (GENERAL ELECTRIC) automatic switches (MCCB)

	Code	(A) mm	(B) mm	(C) mm	(D) mm	MCCB type
400A	IMX00WG4AAA	735+250*	420	340	710	FG 400
630A	IMX00WG5AAA	735+250*	420	340	710	FG 630

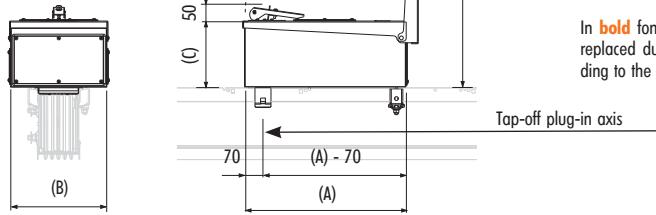


*Extension only for Record plus mccb.

N/L1/L2/L3 cavo MAX 95 mm²**Empty**

This unit is used to take power from the busbar tunking straight elements. This unit does not have any protection device and/or switch-disconnector, so with the top cover open, the tap-off unit can be cabled even if already fixed on the busbar trunking energized. Nominal rating from 63A to 315A.

	Code	(A)	(A ₁)	(B)	(B ₁)	(C)	(C ₁)	(D)
		mm	mm	mm	mm	mm	mm	mm
63A	IMX00WV1 AAA	420	273	280	237	170	153	525
160A	IMX00WV2 AAA	520	374	320	277	210	193	650
250A								
315A	IMX00WV3 AAA	620	474	320	277	245	228	750

(A₁)(B₁)(C₁) Internal useful space

In **bold** font the letters that have to be replaced during the order phase according to the requested version.

		conductor			
		AAA	BAA	GAA	DAA
AAA	= 3P + N + PE	●	-	-	-
BAA	= 3P + N + FE + PE	-	●	●	-
RAA	= 3P + NP + PE	●	-	-	-
SAA	= 3P + NP + FE + PE	-	●	●	-
DAA	= 3P + 2N + PE	-	-	-	●

● to be used - not available

N.B.
For further information, please contact our technical department.

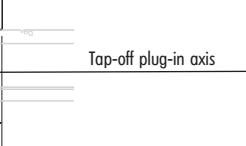
Empty

This unit is used to take power from the busbar tunking straight elements. This unit does not have any protection device and/or switch-disconnector, so with the top cover open, the tap-off unit can be cabled only if the conductor is not energized. Nominal rating from 400A to 630A.

	Code	quotes	(A)	(A ₁)	(B)	(B ₁)	(C)	(C ₁)	(D)
		mm	mm	mm	mm	mm	mm	mm	mm
400A	IMX00WV7 AAA	735	451	420	373	340	314	710	
630A									

(A₁)(B₁)(C₁) Internal useful space

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



		conductor			
		AAA	BAA	GAA	DAA
AAA	= 3P + N + PE	●	-	-	-
BAA	= 3P + N + FE + PE	-	●	●	-
RAA	= 3P + NP + PE	●	-	-	-
SAA	= 3P + NP + FE + PE	-	●	●	-
DAA	= 3P + 2N + PE	-	-	-	●

● to be used - not available

N.B.
For further information, please contact our technical department.

With switch-disconnector + fuse holder

This unit is used to take power from the busbar trunking and it is installed on the junction between the two units. The tap-off unit is equipped with a rotary switch-disconnector (AC23A) with a fuse holder (fuses not included) and can be installed only if the busbar trunking is not energized. Nominal rating from 125A/1250A.

	800A Cu 1000A Cu	1250A Cu 1600A Cu	2000A Cu	2500A Cu 3200A Cu	4000A Cu	5000A Cu	fuse
125A	IMX81W20 AAA	IMX83W20 AAA	IMX84W20 AAA	IMX92W20 AAA	IMX93W20 AAA	IMX96W20 AAA	NH00
160A	IMX81W21 AAA	IMX83W21 AAA	IMX84W21 AAA	IMX92W21 AAA	IMX93W21 AAA	IMX96W21 AAA	NH1
300A	IMX81W22 AAA	IMX83W22 AAA	IMX84W22 AAA	IMX92W22 AAA	IMX93W22 AAA	IMX96W22 AAA	NH2
500A	IMX81W23 AAA	IMX83W23 AAA	IMX84W23 AAA	IMX92W23 AAA	IMX93W23 AAA	IMX96W23 AAA	NH3
630A	IMX81W24 AAA	IMX83W24 AAA	IMX84W24 AAA	IMX92W24 AAA	IMX93W24 AAA	IMX96W24 AAA	NH3
800A	IMX81W25 AAA	IMX83W25 AAA	IMX84W25 AAA	IMX92W25 AAA	IMX93W25 AAA	IMX96W25 AAA	NH4
1250A	IMX81W27 AAA	IMX83W27 AAA	IMX84W27 AAA	IMX92W27 AAA	IMX93W27 AAA	IMX96W27 AAA	NH4



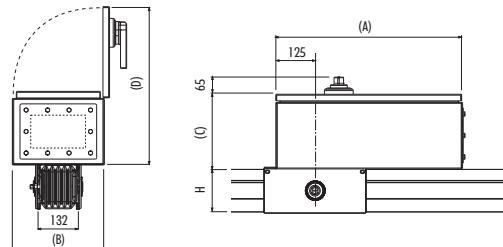
In **bold** font the letters that have to be replaced during the order phase according to the requested version.

	AAA	BAA	conductor	GAA	DAA
AAA = 3P + N + PE	●	-	-	-	-
BAA = 3P + N + FE + PE	-	●	●	-	-
RAA = 3P + NP + PE	●	-	-	-	-
SAA = 3P + NP + FE + PE	-	●	●	-	-
DAA = 3P + 2N + PE	-	-	-	●	-

● to be used - not available

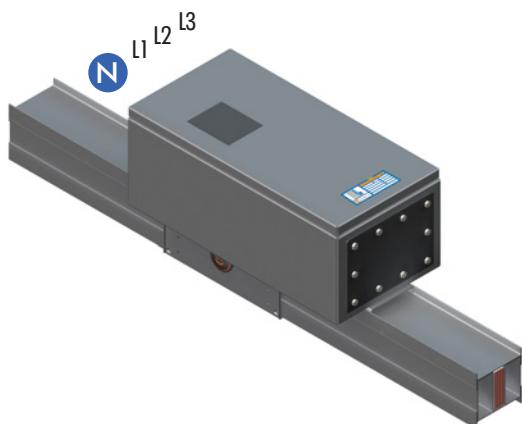
N.B.

For further information, please contact our technical department.

**Suitable for automatic switch-disconnector (MCCB)**

This unit is used to take power from the busbar trunking straight and it is installed on the junction between the two units. The tap-off unit is suitable for an automatic switch prearrangement that has to be specified during the order phase (brand and model). On request, the tap-off unit can be supplied only prearranged (switch not included) or with the switch (switch installed). Nominal rating from 125A/1250A

	800A Cu 1000A Cu	1250A Cu 1600A Cu	2000A Cu	2500A Cu 3200A Cu	4000A Cu	5000A Cu
125A	IMX81W40 AAA	IMX83W40 AAA	IMX84W40 AAA	IMX92W40 AAA	IMX93W40 AAA	IMX96W40 AAA
160A	IMX81W41 AAA	IMX83W41 AAA	IMX84W41 AAA	IMX92W41 AAA	IMX93W41 AAA	IMX96W41 AAA
300A	IMX81W42 AAA	IMX83W42 AAA	IMX84W42 AAA	IMX92W42 AAA	IMX93W42 AAA	IMX96W42 AAA
500A	IMX81W43 AAA	IMX83W43 AAA	IMX84W43 AAA	IMX92W43 AAA	IMX93W43 AAA	IMX96W43 AAA
630A	IMX81W44 AAA	IMX83W44 AAA	IMX84W44 AAA	IMX92W44 AAA	IMX93W44 AAA	IMX96W44 AAA
800A	IMX81W45 AAA	IMX83W45 AAA	IMX84W45 AAA	IMX92W45 AAA	IMX93W45 AAA	IMX96W45 AAA
1250A	IMX81W47 AAA	IMX83W47 AAA	IMX84W47 AAA	IMX92W47 AAA	IMX93W47 AAA	IMX96W47 AAA



For correct dimensions, please contact our technical department.

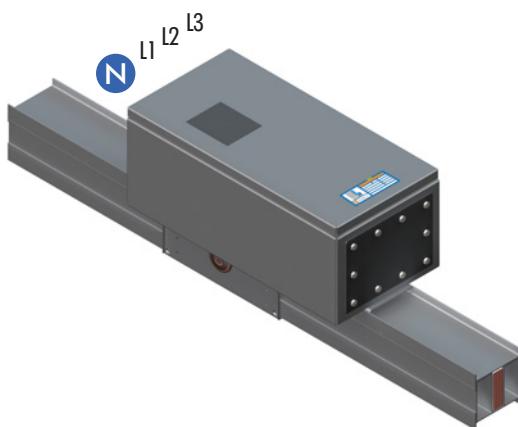
i dimensions

(A)	(B)	(C)	(D)
125A	650	320	250
160A	650	320	250
300A	650	320	250
500A	750	450	300
630A	750	450	300
800A	1200	550	300
1250A	1200	550	300

Empty

This unit is used to take power from the busbar tankings and it is installed on the junction between the two units. This unit does not have any protection device, so the tap-off unit can be installed and cabled only if the conductor is not energized. Nominal rating from 125A / 1250A.

	800A Cu 1000A Cu	1250A Cu 1600A Cu	2000A Cu	2500A Cu 3200A Cu	4000A Cu	5000A Cu
125A	IMX81W30 AAA	IMX83W30 AAA	IMX84W30 AAA	IMX92W30 AAA	IMX93W30 AAA	IMX96W30 AAA
160A	IMX81W31 AAA	IMX83W31 AAA	IMX84W31 AAA	IMX92W31 AAA	IMX93W31 AAA	IMX96W31 AAA
300A	IMX81W32 AAA	IMX83W32 AAA	IMX84W32 AAA	IMX92W32 AAA	IMX93W32 AAA	IMX96W32 AAA
500A	IMX81W33 AAA	IMX83W33 AAA	IMX84W33 AAA	IMX92W33 AAA	IMX93W33 AAA	IMX96W33 AAA
630A	IMX81W34 AAA	IMX83W34 AAA	IMX84W34 AAA	IMX92W34 AAA	IMX93W34 AAA	IMX96W34 AAA
800A	IMX81W35 AAA	IMX83W35 AAA	IMX84W35 AAA	IMX92W35 AAA	IMX93W35 AAA	IMX96W35 AAA
1250A	IMX81W37 AAA	IMX83W37 AAA	IMX84W37 AAA	IMX92W37 AAA	IMX93W37 AAA	IMX96W37 AAA



In **bold** font the letters that have to be replaced during the order phase according to the requested version.

	conductor	AAA	BAA	GAA	DAA
AAA = 3P + N + PE	●	-	-	-	-
BAA = 3P + N + FE + PE	-	●	●	-	-
RAA = 3P + NP + PE	●	-	-	-	-
SAA = 3P + NP + FE + PE	-	●	●	-	-
DAA = 3P + 2N + PE	-	-	-	-	●

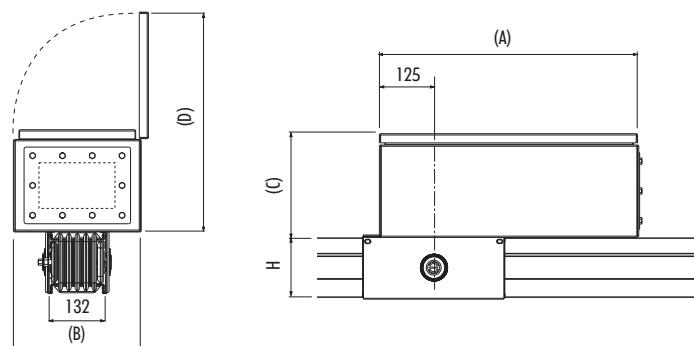
● to be used - not available

N.B.

For further information, please contact our technical department.



For correct dimensions, please contact our technical department.

*i* dimensions

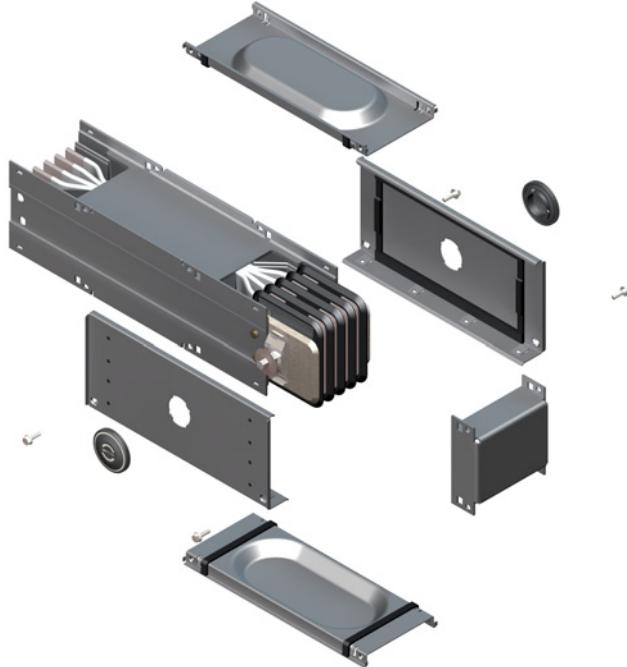
(A)	(A ₁)	(B)	(B ₂)	(C)	(C ₃)	(D)
125A	650	289	320	293	250	207
160A	650	289	320	293	250	207
300A	650	289	320	293	250	207
500A	750	364	450	423	300	266
630A	750	364	450	423	300	266
800A	1200	789	550	523	300	282
1250A	1200	789	550	523	300	282

(A₁) (B₁) (C₁) Internal useful space

END COVER

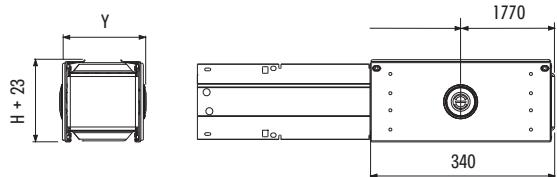
This unit is used to guarantee the IP55 degree of protection on the end of the busbar trunking run. On request, IP66 is available only for feeder runs (without tap-off units).

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
	IMX81Y01AAA	IMX81Y01AAA	IMX83Y01AAA	IMX83Y01AAA	IMX84Y01AAA	IMX92Y01AAA	IMX92Y01AAA	IMX93Y01AAA	IMX96Y01AAA



AAA = 3P + N + PE
BAA = **BAA** 3P + N + FE + PE
 = **GAA** 3P + N + FE/2 + PE
 = **DAA** 3P + 2N + PE

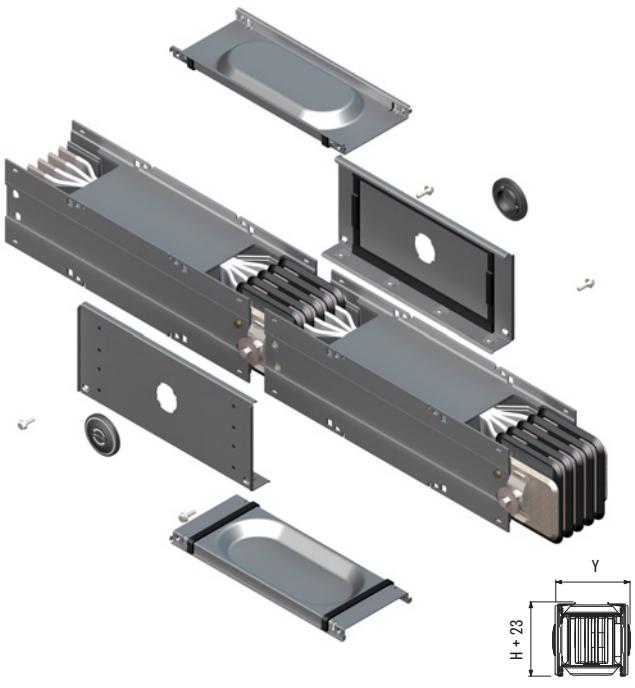
In **bold** font the letters that have to be replaced during the order phase according to the requested version.



JOINT COVER

This unit is used to guarantee the IP55 degree of protection on the junction between two units of the busbar trunking run. On request, IP66 version is available only for transport runs (without tap-off units)

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
	IMX81Z01AAA	IMX81Z01AAA	IMX83Z01AAA	IMX83Z01AAA	IMX84Z01AAA	IMX92Z01AAA	IMX92Z01AAA	IMX93Z01AAA	IMX96Z01AAA



All the seals are supplied already assembled on the respective flanges

<i>i</i> dimensions	
(H)	Cu
	mm
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452

(Y)	4P	5P
AAA	BAA	GAA
		DAA
mm	mm	
132	154	

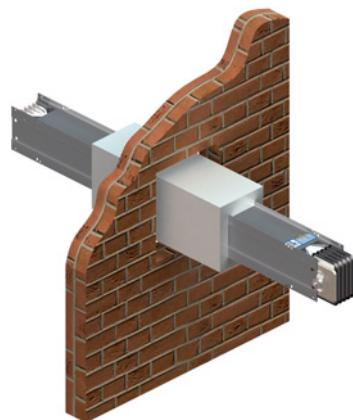
FIRE BARRIER

This unit is used to maintain the fire wall resistance class, when a busbar is passing through a wall, in order to avoid the transmission of fire, combustible gas and temperature. This unit is composed of special external panels and is positioned internally where the busbar passes through the wall.

The busbar trunking run (straight trunking, elbows etc.) with the internal position (code IM...AF) has to be prepared in factory while the external part can be supplied already assembled on the busbar trunking run or supplied disassembled to be assembled on site. The unit has the following fire resistance class:

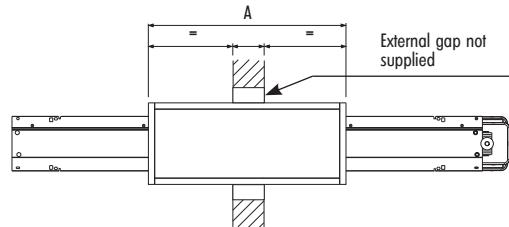
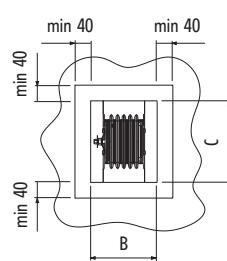
EI 180 (180 minutes) in accordance to **EN 1366-3**

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
	IMX81104AAA	IMX81104AAA	IMX83104AAA	IMX83104AAA	IMX84104AAA	IMX92104AAA	IMX92104AAA	IMX93104AAA	IMX96104AAA



AAA = 3P + N + PE
BAA = **BAA** 3P + N + FE + PE
GAA = **GAA** 3P + N + FE/2 + PE
DAA = **DAA** 3P + 2N + PE

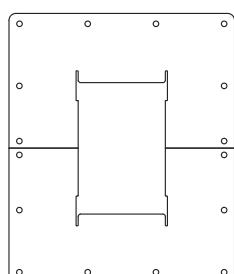
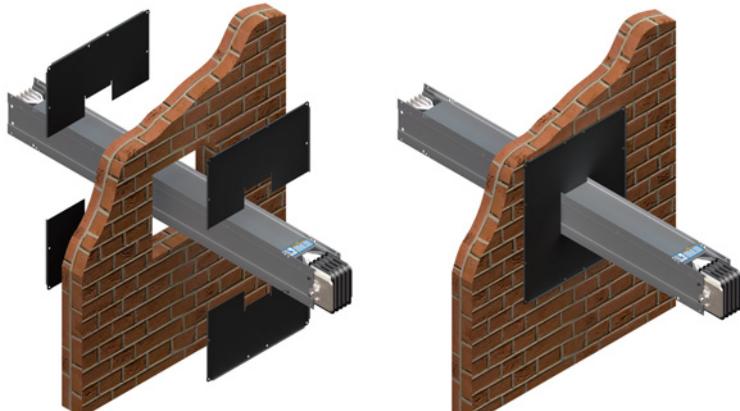
In **bold** font the letters that have to be replaced during the order phase according to the requested version.



WALL FLANGE

This unit is used to cover the hole on the wall through which the busbar trunking passes. The gap material is not included and the unit can be applied even in the presence of the fire barrier unit. For dimensions and characteristics, please contact our technical department.

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
	IMX81911AAA	IMX81911AAA	IMX83911AAA	IMX83911AAA	IMX84911AAA	IMX92911AAA	IMX92911AAA	IMX93911AAA	IMX96911AAA



For further information, please contact our technical department.



quotes

Cu	4P			5P		
	(A) mm	(B) mm	(C) mm	(A) mm	(B) mm	(C) mm
800A	630	212	215	630	234	215
1000A	630	212	260	630	234	260
1250A	630	212	260	630	234	260
1600A	630	212	290	630	234	290
2000A	630	212	290	830	234	290
2500A	830	212	398	830	234	398
3200A	830	212	458	830	234	458
4000A	830	212	458	830	234	458
5000A	830	212	538	830	234	538

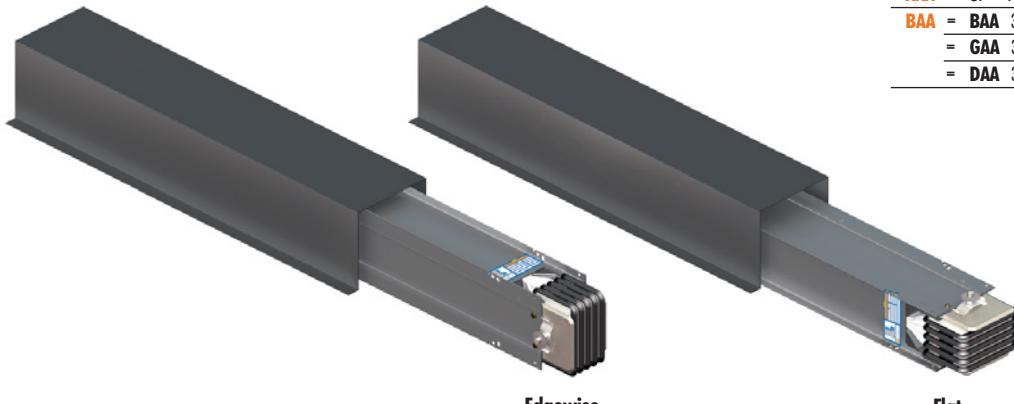
This unit is used in outdoor installations as an extra protection.

EDGEWISE

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
	IMX81601AAA	IMX81601AAA	IMX83601AAA	IMX83601AAA	IMX84601AAA	IMX92601AAA	IMX92601AAA	IMX93601AAA	IMX96601AAA

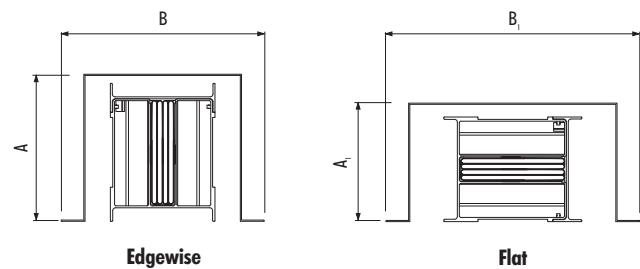
FLAT

Cu	800A	1000A	1250A	1600A	2000A	2500A	3200A	4000A	5000A
	IMX81602AAA	IMX81602AAA	IMX83602AAA	IMX83602AAA	IMX84602AAA	IMX92602AAA	IMX92602AAA	IMX93602AAA	IMX96602AAA



AAA = 3P + N + PE
BAA = **BAA** 3P + N + FE + PE
 = **GAA** 3P + N + FE/2 + PE
 = **DAA** 3P + 2N + PE

In **bold** font the letters that have to be replaced during the order phase according to the requested version.



dimensions

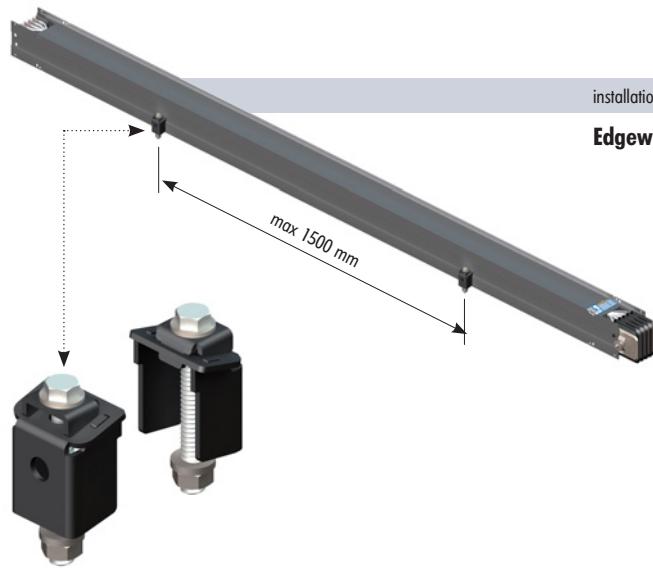
Cu	bar	4P				5P			
		(A)	(B)	(A1)	(B1)	(A)	(B)	(A1)	(B1)
800A	B85	140	260	150	276	140	282	172	276
1000A									
1250A	B130	185	260	150	276	140	282	172	276
1600A	B130	185	260	150	321	185	282	172	321
2000A	B160	215	260	150	351	215	282	172	351
2500A	2B130	322	260	150	459	322	282	172	459
3200A	2B130	322	260	150	459	322	282	172	459
4000A	2B160	382	260	150	519	382	282	172	519
5000A	2B200	462	260	150	599	462	282	172	599

This unit is used to fix the busbar trunking unit to the suspension unit on horizontal runs (always) or vertical (only for short runs 6 ÷ 7 m)

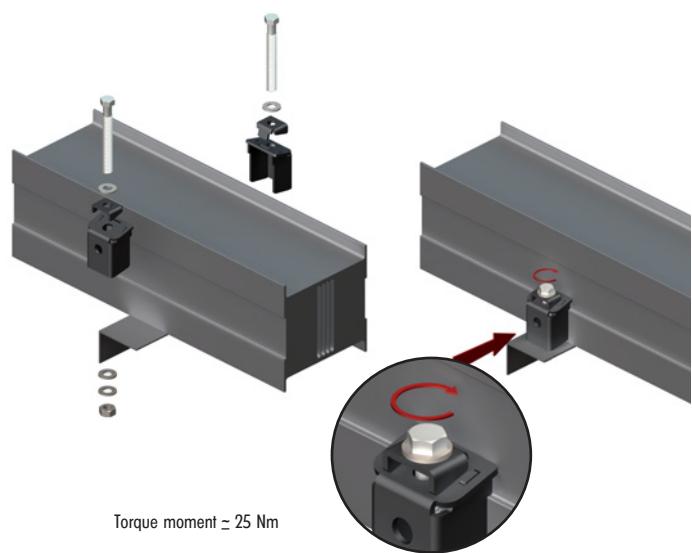
Code

for all versions

IMX00710AAA



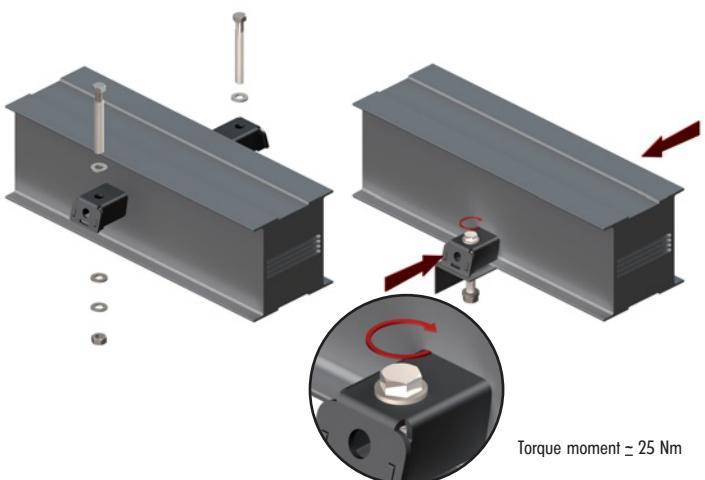
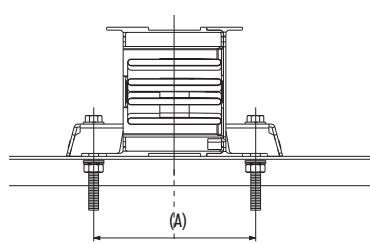
installation

Edgewise installationTorque moment ≈ 25 Nm

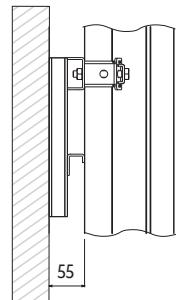
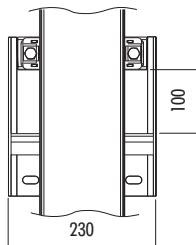
installation

Flat installation

(A)		
800A	Cu	160
1000A	Cu	160
1250A	Cu	205
1600A	Cu	205
2000A	Cu	235
2500A	Cu	343
3200A	Cu	343
4000A	Cu	403
5000A	Cu	483

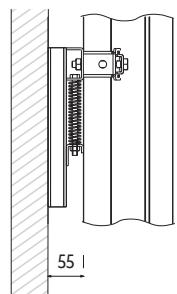
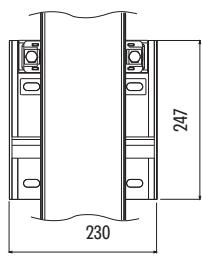
Torque moment ≈ 25 Nm

These units are used to suspend the busbar trunking on vertical runs fixing them to the wall.



Bracket for vertical run alignment

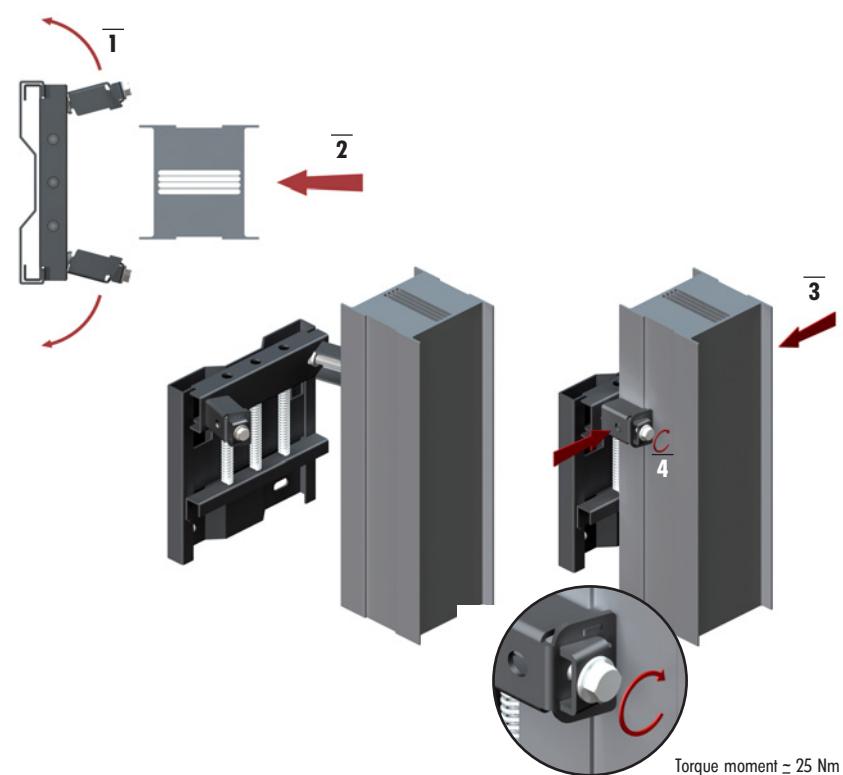
IMX00720AAA



Fixing unit for vertical runs

IMX00730AAA

installation



VERTICAL BRACKETS INSTALLATION SCHEME

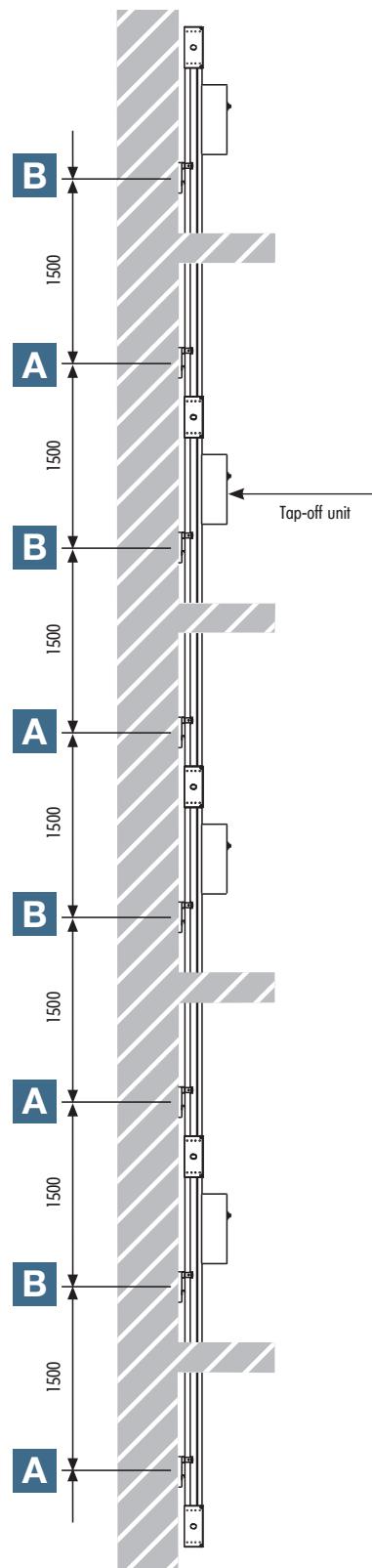
The fixing unit with springs is used to suspend the busbar (it is the device that supports the busbar) while the alignment unit is used to maintain the busbar in line along its own axis.

It is necessary to install the brackets along the vertical run using at least one spring bracket for each single straight element, insert an alignment bracket between (the inter axis suggested is 1,5m) as indicated in the plan 3 even in this case the inter axis suggested is 1,5 m).

A Alignment unit



B Spring fixing unit



It is very important that each single spring bracket is not carrying a load superior to 150kg.

The verification must be done dividing the total weight of the line (the busbar trunking run weight plus the possible future tap-off units) for the number of spring brackets as indicated in the following formula:

$$\frac{P}{N} = \frac{\text{total busbar trunking run weight (calculated according to plan 1)}}{\text{plus the weight of all the tap-off units programmed and the future ones (calculated according to the plan 2)}} \\ K = \text{max load for each fixing unit with springs (150KG)} \\ N = \text{number of spring fixing units} \\ P = < 150kg (K)$$

In case the load on each single bracket is superior to 150 kg, it is necessary to increase their number reducing the number of alignment brackets.

Conductor weight

Cu	Kg/m
800A	28
1000A	28
1250A	42
1600A	47
2000A	55
2500A	71
3200A	76
4000A	106
5000A	148

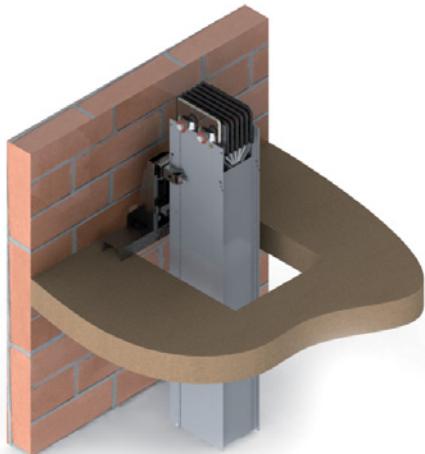
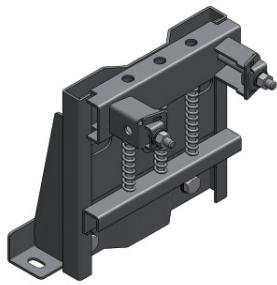
Tap-off unit weight

	Kg
125A	30
250A	35
400A	45
630A	55
800A	60
1000A	65
1250A	70

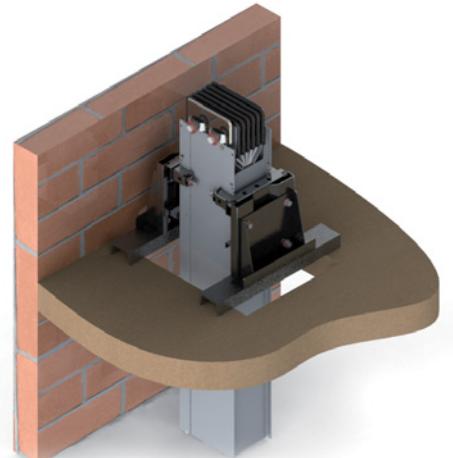
This unit is used to suspend the busbar trunking vertical run, fixing them to the floor. The bracket can be used as single with a max load of 150kg or double with a max load of 300kg. The bracket can be fixed directly on the floor or on a support profile (not included).

Floor bracket fixing

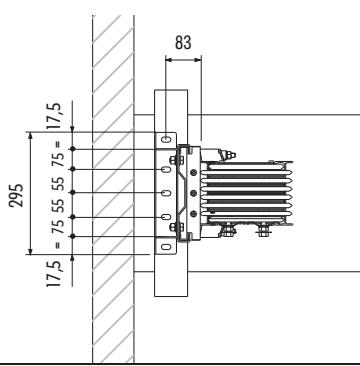
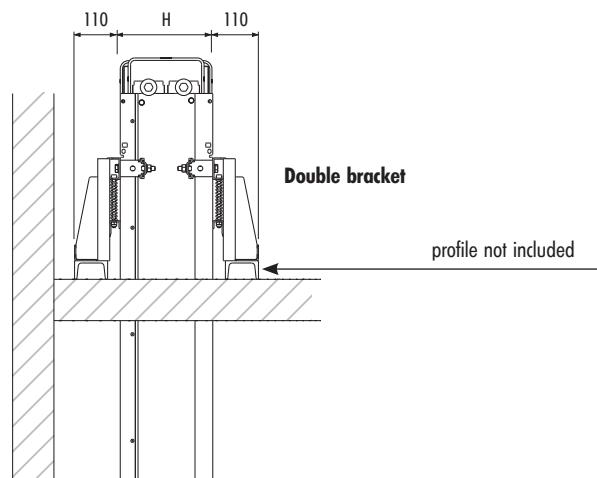
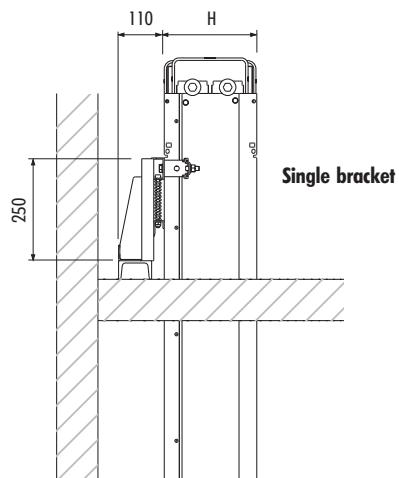
IMX00740AAA



Single bracket (max 150kg)



Double bracket (max 300kg)

**i** dimensions

(H)	Cu
mm	mm
800A	129
1000A	129
1250A	174
1600A	174
2000A	204
2500A	312
3200A	312
4000A	372
5000A	452

(Y)	4P	5P
AAA	BAA	GAA
		DAA
mm	mm	
132	154	

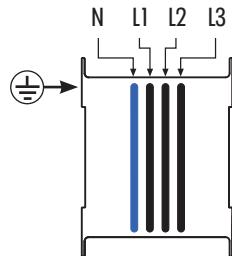


For correct dimensions, please contact our technical department.

(AAA)

3P + N + PE

Cu



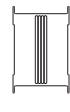
The technical data for each rating is obtained from the results of tests carried out according to IEC-EN 61439-1&6 and shown in the LOVAG Certificates. No data are obtained from extrapolation.

* Tested (laboratory limit)

** Calculated

	A (50°C)	800	1000	1250	1600	2000	2500	3200	4000	5000
Nominal rating										
General Information										
Reference Standard	IEC-EN 61439-1 / IEC-EN 61439-6									
Rated Operational Voltage - U _e	V									
Rated Insulation Voltage - U _i	V									
Frequency	Hz									
Protection degree	IP									
Currents permitted										
Phase rated short-circuit withstand (1s) - I _{sw}	50	50	80	80	90	93	120 *	120 *	120 *	120 *
							144 **	162 **	167 **	
Phase rated peak short-circuit withstand (1s) - I _{pk}	110	110	176	176	198	205	264 *	264 *	264 *	264 *
							316 **	356 **	367 **	
Conductors										
Phase cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Neutral cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Phase resistance - R ₂₀	mΩ/m	0,047	0,047	0,033	0,029	0,024	0,017	0,016	0,012	0,011
Phase reactance - X ₁	mΩ/m	0,029	0,029	0,020	0,018	0,018	0,016	0,016	0,013	0,007
Phase impedance - Z ₁	mΩ/m	0,067	0,067	0,046	0,040	0,037	0,025	0,027	0,022	0,016
Phase resistance at thermal conditions - R ₁ ⁽¹⁾	mΩ/m	0,060	0,060	0,041	0,037	0,033	0,019	0,021	0,017	0,014
Protection conductor (casing)										
Cross-section (Enclosure)	mm ²	1.229	1.229	1.538	1.538	1.848	2.820	2.820	3.441	4.037
Cross-section (=Cu) (Enclosure)	mm ²	737	737	923	923	1.109	1.692	1.692	2.065	2.422
Others features										
Fault loop resistance - R _{o Ph-Ph (1)}	mΩ/m	0,161	0,161	0,114	0,110	0,091	0,062	0,073	0,054	0,042
Fault loop reactance - X _{o Ph-Ph (1)}	mΩ/m	0,094	0,094	0,077	0,077	0,064	0,042	0,046	0,035	0,029
Fault loop impedance - Z _{o Ph-Ph (1)}	mΩ/m	0,186	0,186	0,137	0,134	0,117	0,075	0,087	0,065	0,051
Fault loop resistance - R _{o Ph-PE (1)}	mΩ/m	0,154	0,154	0,119	0,116	0,100	0,096	0,081	0,068	0,062
Fault loop reactance - X _{o Ph-PE (1)}	mΩ/m	0,086	0,086	0,081	0,061	0,067	0,035	0,051	0,046	0,046
Fault loop impedance - Z _{o Ph-PE (1)}	mΩ/m	0,176	0,176	0,144	0,131	0,120	0,102	0,096	0,082	0,077
	cosφ = 0,70	54,24	54,24	37,18	32,92	30,48	21,39	22,60	18,32	12,80
	cosφ = 0,75	55,52	55,52	38,04	33,65	31,14	21,48	22,78	18,47	13,09
Voltage drop - ΔV with distributed load (1)	cosφ = 0,80	56,57	56,57	38,75	34,25	31,66	21,45	22,84	18,51	13,32
	cosφ = 0,85 [V/m/A]10 ⁻⁶	57,33	57,33	39,26	34,67	32,01	21,26	22,73	18,42	13,48
	cosφ = 0,90	57,64	57,64	39,46	34,81	32,10	20,82	22,38	18,14	13,54
	cosφ = 0,95	57,14	57,14	39,09	34,44	31,71	19,93	21,58	17,48	13,40
	cosφ = 1	51,90	51,90	35,47	31,14	28,55	16,44	18,17	14,71	12,11
Weight - p	Kg/m	24	24	35	40	46	56	61	85	118
Overall dimensions	mm (LxH)	132x129	132x129	132x174	132x174	132x204	132x312	132x312	132x372	132x452
Fire load	kWh/m	2,38	2,38	3,20	3,20	3,63	5,41	5,41	6,37	7,07
For each outlet point	kWh	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05
Joule effect losses at nominal current - P	W/m	115	180	192	276	396	356	645	816	1050

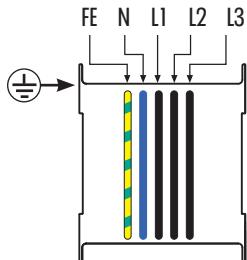
The nominal ratings is related to an ambient temperature of 50°C (55°C with class F insulation).



(BAA)

3P + N + FE + PE

Cu



The technical data for each rating is obtained from the results of tests carried out according to IEC-EN 61439-1&6 and shown in the LOVAG Certificates. No data are obtained from extrapolation.

* Tested (laboratory limit)

** Calculated

	A (50°C)	800	1000	1250	1600	2000	2500	3200	4000	5000
Nominal rating										
General Information										
Reference Standard										IEC-EN 61439-1 / IEC-EN 61439-6
Rated Operational Voltage - U _e	V									1000
Rated Insulation Voltage - U _i	V									1000
Frequency	Hz									50
Protection degree	IP									IP 55 - (on request IP66)
Currents permitted										
Phase rated short-circuit withstand (1s) - I _{sw}	50	50	80	80	90	93	120 *	120 *	120 *	120 *
							144 **	162 **	167 **	
Phase rated peak short-circuit withstand (1s) - I _{pk}	110	110	176	176	198	205	264 *	264 *	264 *	264 *
							316 **	356 **	367 **	
Conductors										
Phase cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Neutral cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Phase resistance - R ₂₀	mΩ/m	0,047	0,047	0,033	0,029	0,024	0,017	0,016	0,012	0,011
Phase reactance - X ₁	mΩ/m	0,029	0,029	0,020	0,018	0,018	0,016	0,016	0,013	0,007
Phase impedance - Z ₁	mΩ/m	0,067	0,067	0,046	0,040	0,037	0,025	0,027	0,022	0,016
Phase resistance at thermal conditions - R ₁ ⁽¹⁾	mΩ/m	0,060	0,060	0,041	0,037	0,033	0,019	0,021	0,017	0,014
Protection conductor (casing)										
Cross-section (Enclosure)	mm ²	1.332	1.332	1.627	1.627	1.929	2.955	2.955	3.559	4.164
Cross-section (=Cu) (Enclosure)	mm ²	799	799	976	976	1.157	1.773	1.773	2.165	2.498
Clean Earth (FE)										
Cross-section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Others features										
Fault loop resistance - R _{o Ph-Ph (1)}	mΩ/m	0,161	0,161	0,114	0,110	0,091	0,062	0,073	0,054	0,042
Fault loop reactance - X _{o Ph-Ph (1)}	mΩ/m	0,094	0,094	0,077	0,077	0,064	0,042	0,046	0,035	0,029
Fault loop impedance - Z _{o Ph-Ph (1)}	mΩ/m	0,186	0,186	0,137	0,134	0,117	0,075	0,087	0,065	0,051
Fault loop resistance - R _{o Ph-PE (1)}	mΩ/m	0,154	0,154	0,119	0,116	0,100	0,096	0,081	0,068	0,062
Fault loop reactance - X _{o Ph-PE (1)}	mΩ/m	0,086	0,086	0,081	0,061	0,067	0,035	0,051	0,046	0,046
Fault loop impedance - Z _{o Ph-PE (1)}	mΩ/m	0,176	0,176	0,144	0,131	0,120	0,102	0,096	0,082	0,077
	cosφ = 0,70	54,24	54,24	37,18	32,92	30,48	21,39	22,60	18,32	12,80
	cosφ = 0,75	55,52	55,52	38,04	33,65	31,14	21,48	22,78	18,47	13,09
	cosφ = 0,80	56,57	56,57	38,75	34,25	31,66	21,45	22,84	18,51	13,32
Voltage drop - ΔV with distributed load (1)	cosφ = 0,85 [V/m/A]10 ⁻⁶	57,33	57,33	39,26	34,67	32,01	21,26	22,73	18,42	13,48
	cosφ = 0,90	57,64	57,64	39,46	34,81	32,10	20,82	22,38	18,14	13,54
	cosφ = 0,95	57,14	57,14	39,09	34,44	31,71	19,93	21,58	17,48	13,40
	cosφ = 1	51,90	51,90	35,47	31,14	28,55	16,44	18,17	14,71	12,11
	Weight - p	Kg/m	28	28	42	47	55	71	76	106
Overall dimensions	mm (LxH)	154x129	154x129	154x174	154x174	154x204	154x312	154x312	154x372	154x452
Fire load	kWh/m	2,38	2,38	3,20	3,20	3,63	5,41	5,41	6,37	7,07
For each outlet point	kWh	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05
Joule effect losses at nominal current - P	W/m	115	180	192	276	396	356	645	816	1050



The nominal ratings is related to an ambient temperature of 50°C (55°C with class F insulation).

K = 1

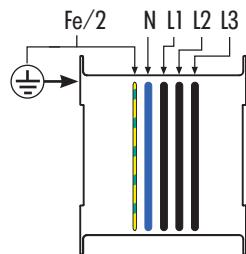
k = 1

K = 1

(GAA)

3P + N + FE/2 + PE

Cu



The technical data for each rating is obtained from the results of tests carried out according to IEC-EN 61439-1&6 and shown in the LOVAG Certificates. No data are obtained from extrapolation.

* Tested (laboratory limit)

** Calculated

	A (50°C)	800	1000	1250	1600	2000	2500	3200	4000	5000
Nominal rating										
General Information										
Reference Standard										IEC-EN 61439-1 / IEC-EN 61439-6
Rated Operational Voltage - U _e	V									1000
Rated Insulation Voltage - U _i	V									1000
Frequency	Hz									50
Protection degree	IP									IP 55 - (on request IP66)
Currents permitted										
Phase rated short-circuit withstand (1s) - I _{sw}	50	50	80	80	90	93	120 *	120 *	120 *	120 *
							144 **	162 **	167 **	
Phase rated peak short-circuit withstand (1s) - I _{pk}	110	110	176	176	198	205	264 *	264 *	264 *	264 *
							316 **	356 **	367 **	
Conductors										
Phase cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Neutral cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Phase resistance - R ₂₀	mΩ/m	0,047	0,047	0,033	0,029	0,024	0,017	0,016	0,012	0,011
Phase reactance - X ₁	mΩ/m	0,029	0,029	0,020	0,018	0,018	0,016	0,016	0,013	0,007
Phase impedance - Z ₁	mΩ/m	0,067	0,067	0,046	0,040	0,037	0,025	0,027	0,022	0,016
Phase resistance at thermal conditions - R ₁ ⁽¹⁾	mΩ/m	0,060	0,060	0,041	0,037	0,033	0,019	0,021	0,017	0,014
Protection conductor (casing)										
Cross-section (Enclosure)	mm ²	1.332	1.332	1.627	1.627	1.929	2.955	2.955	3.559	4.164
Cross-section (=Cu) (Enclosure)	mm ²	799	799	976	976	1.157	1.773	1.773	2.165	2.498
Clean Earth (FE)										
Cross-section	% _{ph}	50	50	50	50	50	50	50	50	50
Others features										
Fault loop resistance - R _{o Ph-Ph (1)}	mΩ/m	0,161	0,161	0,114	0,110	0,091	0,062	0,073	0,054	0,042
Fault loop reactance - X _{o Ph-Ph (1)}	mΩ/m	0,094	0,094	0,077	0,077	0,064	0,042	0,046	0,035	0,029
Fault loop impedance - Z _{o Ph-Ph (1)}	mΩ/m	0,186	0,186	0,137	0,134	0,117	0,075	0,087	0,065	0,051
Fault loop resistance - R _{o Ph-PE (1)}	mΩ/m	0,154	0,154	0,119	0,116	0,100	0,096	0,081	0,068	0,062
Fault loop reactance - X _{o Ph-PE (1)}	mΩ/m	0,086	0,086	0,081	0,061	0,067	0,035	0,051	0,046	0,046
Fault loop impedance - Z _{o Ph-PE (1)}	mΩ/m	0,176	0,176	0,144	0,131	0,120	0,102	0,096	0,082	0,077
	cosφ = 0,70	54,24	54,24	37,18	32,92	30,48	21,39	22,60	18,32	12,80
	cosφ = 0,75	55,52	55,52	38,04	33,65	31,14	21,48	22,78	18,47	13,09
	cosφ = 0,80	56,57	56,57	38,75	34,25	31,66	21,45	22,84	18,51	13,32
Voltage drop - ΔV with distributed load (1)	cosφ = 0,85 [V/m/A]10 ⁻⁶	57,33	57,33	39,26	34,67	32,01	21,26	22,73	18,42	13,48
	cosφ = 0,90	57,64	57,64	39,46	34,81	32,10	20,82	22,38	18,14	13,54
	cosφ = 0,95	57,14	57,14	39,09	34,44	31,71	19,93	21,58	17,48	13,40
	cosφ = 1	51,90	51,90	35,47	31,14	28,55	16,44	18,17	14,71	12,11
Weight - p	Kg/m	28	28	39	44	51	67	72	100	138
Overall dimensions	mm (LxH)	154x129	154x129	154x174	154x174	154x204	154x312	154x312	154x372	154x452
Fire load	kWh/m	2,38	2,38	3,20	3,20	3,63	5,41	5,41	6,37	7,07
For each outlet point	kWh	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05
Joule effect losses at nominal current - P	W/m	115	180	192	276	396	356	645	816	1050



The nominal ratings is related to an ambient temperature of 50°C (55°C with class F insulation).

K = 1

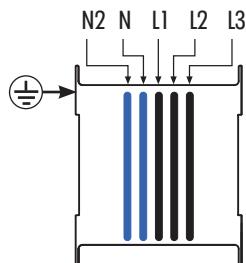
k = 1

K = 1

(DAA)

3P + 2N + PE

Cu



The technical data for each rating is obtained from the results of tests carried out according to IEC-EN 61439-1&6 and shown in the LOVAG Certificates. No data are obtained from extrapolation.

* Tested (laboratory limit)

** Calculated

	A (50°C)	800	1000	1250	1600	2000	2500	3200	4000	5000
Nominal rating										
General Information										
Reference Standard	IEC-EN 61439-1 / IEC-EN 61439-6									
Rated Operational Voltage - U _e	V									
Rated Insulation Voltage - U _i	V									
Frequency	Hz									
Protection degree	IP									
Currents permitted										
Phase rated short-circuit withstand (1s) - I _{sw}	50	50	80	80	90	93	120 *	120 *	120 *	120 *
							144 **	162 **	167 **	
Phase rated peak short-circuit withstand (1s) - I _{pk}	110	110	176	176	198	205	264 *	264 *	264 *	264 *
							316 **	356 **	367 **	
Conductors										
Phase cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Neutral cross section	mm x mm	(5,3x85)	(5,3x85)	(5,2x130)	(6,3x130)	(6,3x160)	(2x5,5x130)	(2x5,8x130)	(2x6,3x160)	(2x6,5x200)
Phase resistance - R ₂₀	mΩ/m	0,047	0,047	0,033	0,029	0,024	0,017	0,016	0,012	0,011
Phase reactance - X ₁	mΩ/m	0,029	0,029	0,020	0,018	0,018	0,016	0,016	0,013	0,007
Phase impedance - Z ₁	mΩ/m	0,067	0,067	0,046	0,040	0,037	0,025	0,027	0,022	0,016
Phase resistance at thermal conditions - R ₁ ⁽¹⁾	mΩ/m	0,060	0,060	0,041	0,037	0,033	0,019	0,021	0,017	0,014
Protection conductor (casing)										
Cross-section (Enclosure)	mm ²	1.332	1.332	1.627	1.627	1.929	2.955	2.955	3.559	4.164
Cross-section (=Cu) (Enclosure)	mm ²	799	799	976	976	1.157	1.773	1.773	2.135	2.498
Others features										
Fault loop resistance - R _{o Ph-Ph (1)}	mΩ/m	0,161	0,161	0,114	0,110	0,091	0,062	0,073	0,054	0,042
Fault loop reactance - X _{o Ph-Ph (1)}	mΩ/m	0,094	0,094	0,077	0,077	0,064	0,042	0,046	0,035	0,029
Fault loop impedance - Z _{o Ph-Ph (1)}	mΩ/m	0,186	0,186	0,137	0,134	0,117	0,075	0,087	0,065	0,051
Fault loop resistance - R _{o Ph-PE (1)}	mΩ/m	0,154	0,154	0,119	0,116	0,100	0,096	0,081	0,068	0,062
Fault loop reactance - X _{o Ph-PE (1)}	mΩ/m	0,086	0,086	0,081	0,061	0,067	0,035	0,051	0,046	0,046
Fault loop impedance - Z _{o Ph-PE (1)}	mΩ/m	0,176	0,176	0,144	0,131	0,120	0,102	0,096	0,082	0,077
	cosφ = 0,70	54,24	54,24	37,18	32,92	30,48	21,39	22,60	18,32	12,80
	cosφ = 0,75	55,52	55,52	38,04	33,65	31,14	21,48	22,78	18,47	13,09
Voltage drop - ΔV with distributed load (1)	cosφ = 0,80	56,57	56,57	38,75	34,25	31,66	21,45	22,84	18,51	13,32
	cosφ = 0,85 [V/m/A]10 ⁻⁶	57,33	57,33	39,26	34,67	32,01	21,26	22,73	18,42	13,48
	cosφ = 0,90	57,64	57,64	39,46	34,81	32,10	20,82	22,38	18,14	13,54
	cosφ = 0,95	57,14	57,14	39,09	34,44	31,71	19,93	21,58	17,48	13,40
	cosφ = 1	51,90	51,90	35,47	31,14	28,55	16,44	18,17	14,71	12,11
Weight - p	Kg/m	28	28	42	47	55	71	76	106	148
Overall dimensions	mm (LxH)	154x129	154x129	154x174	154x174	154x204	154x312	154x312	154x372	154x452
Fire load	kWh/m	2,38	2,38	3,20	3,20	3,63	5,41	5,41	6,37	7,07
For each outlet point	kWh	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05	1,05
Joule effect losses at nominal current - P	W/m	115	180	192	276	396	356	645	816	1050

The nominal ratings is related to an ambient temperature of 50°C (55°C with class F insulation).



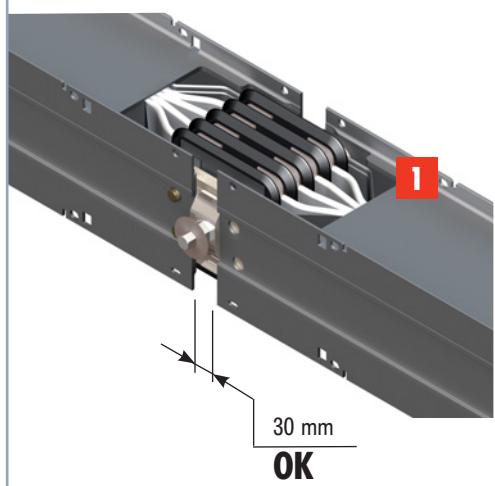
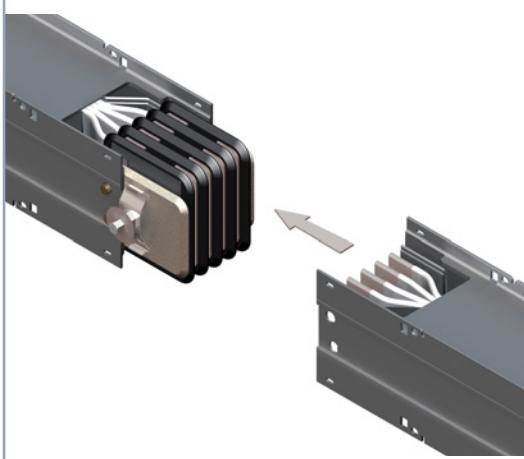
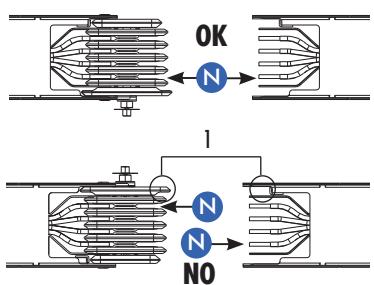
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k = 1

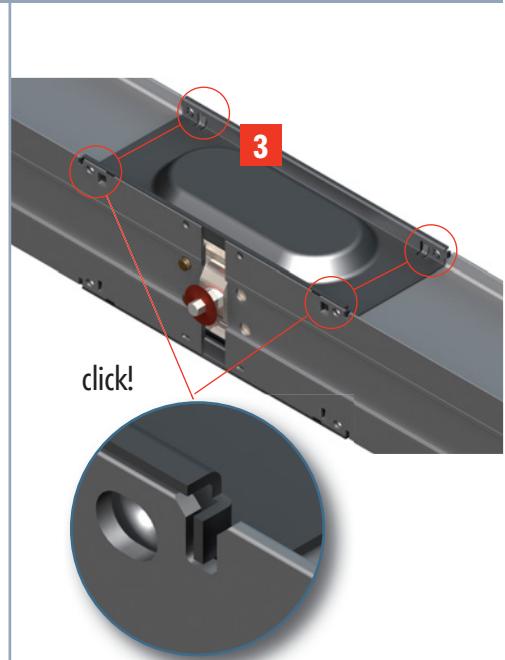
K = 1

A

Insert the two units respecting the neutral position mechanical device [1].

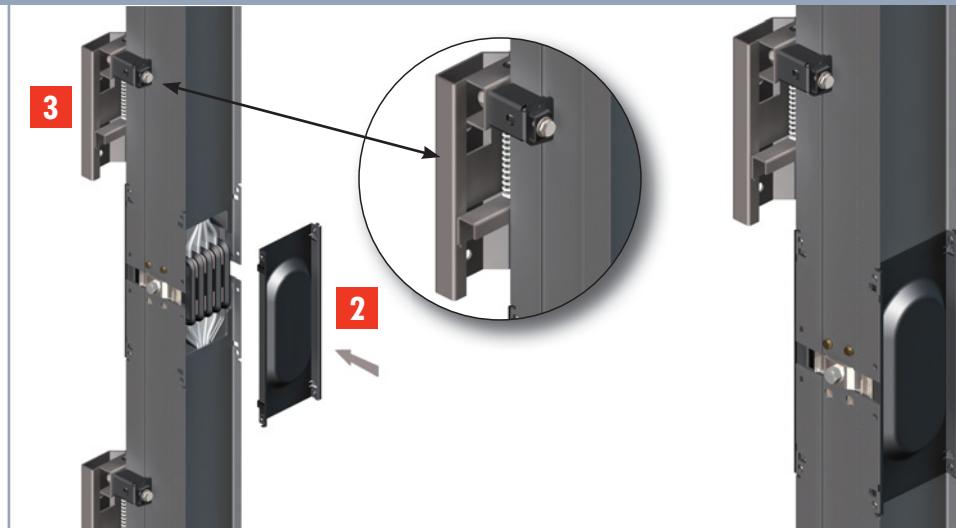
**B**

Check the units alignment and assembling the joint cover [2] assuring the correct coupling [3].

**B 1**

For vertical runs:

Before proceed with the monoblock tightening (point C) fix the unit with the fixing unit [3].

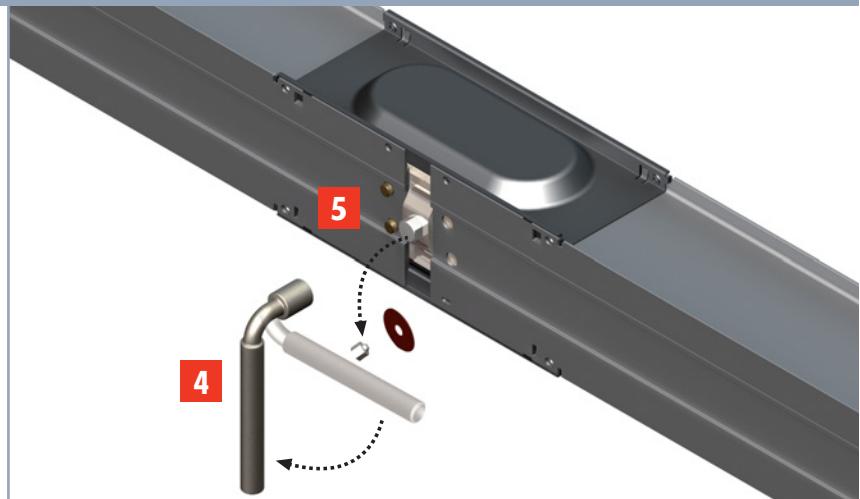


C

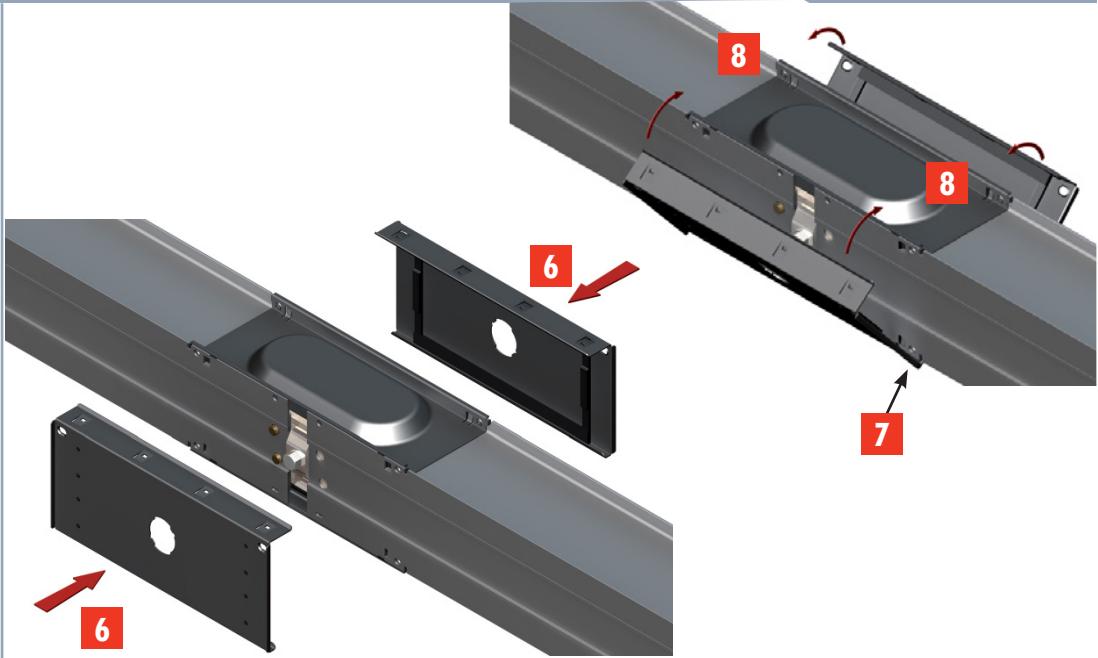
Tighten the monoblock [4] using the bolt/s until it/they automatically shear [5] when the nominal torque moment will be achieved (~ 85 Nm).



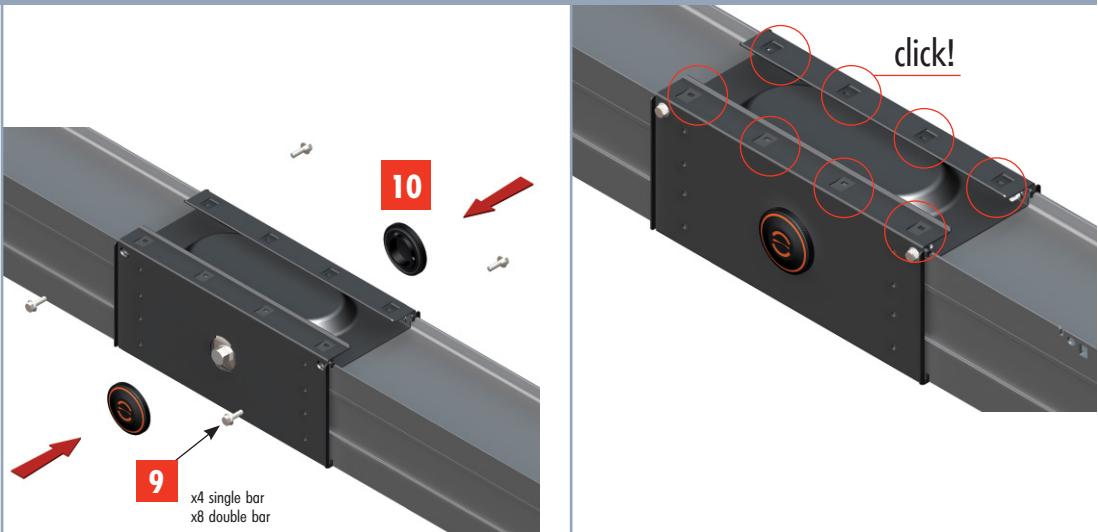
Maintenance-free monoblock

**D**

Assembling the side cover [6]. First connect it to the busbar joint from the bottom [7]; then turn the cover and fix it on pushing in by pressure [8].

**E**

Check that the covers are correctly assembled. Tighten the screws (9) and then insert the side cap(10).





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