

MS double sided busbar

technical information

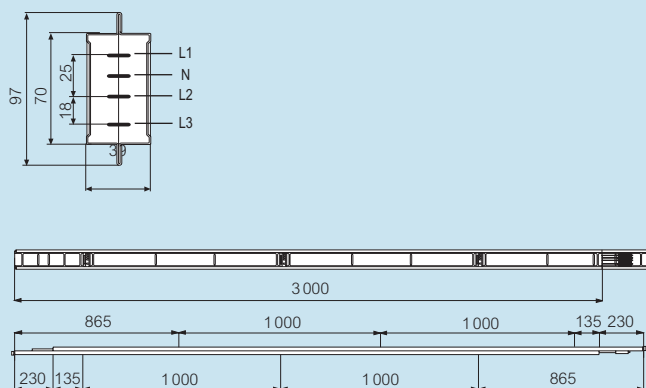
■ General features

MS is fully compliant with IEC 61439-6 (BS EN 61439-6). Specifically, the rated current of the Zucchini busbar trunking system is always referred to the average ambient temperature of 40°C (NB : the standard requires 35°C), thus offering the market suitably oversized products

■ Trunking lengths

The components and the features of the MS trunking lengths are :

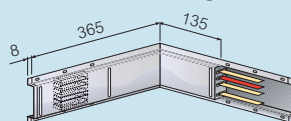
- a casing made of Senzimir quality galvanised steel, with a sheet-metal thickness that allows its use as the protective earth (PE) and ensures the electrical continuity during mounting with no added accessories
- section bar dimensions : 39 x 97 mm
- number of conductors : 4 with the same section 3P + N available for capacities 63 A, 100 A and 160 A
- separation between the conductors using plastic insulating devices, reinforced with 20% of glass fibres, which ensure a V1 self-extinguishing degree (according to UL94) and are in compliance with the glow-wire test according to IEC 60695-2-10
- tap-off outlets with a constant centre distance of 1 m on both sides of the busbar (3 + 3 outlets every 3 m), set up for connection to tap-off boxes
- an electric joint block, with silver-plated copper contacts for automatically connecting live parts and the PE (protective earth) Quick connection between straight lengths. One operation provides an electrical and mechanical connection, whilst at the same time, IP 40 protection is guaranteed. The upgrade to IP 55 is easily achieved by adding joint covers and outlet covers. Flame retardant in compliance with the IEC 60332-3 standard
- trunking lengths with fire barrier (internal + external) are used when fire-resistant walls need to be passed through. The lengths fitted with a fire barrier have been lab-tested (in accordance with DIN 4102-9 and EN 1366-3) in order to confirm that, if correctly installed, they will maintain the essential fire-resistant features of the wall
- trunking lengths with thrust unit are provided with a device which blocks the conductors from slipping when supporting the weight of the riser (when installed vertically). This type of length is required for 10 m riser intervals



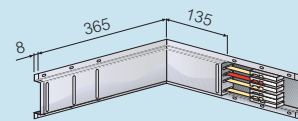
■ Trunking components

IP 55 (according to BS EN 60529)

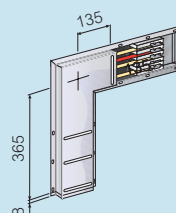
Horizontal elbow - right hand



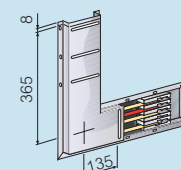
Horizontal elbow - left hand



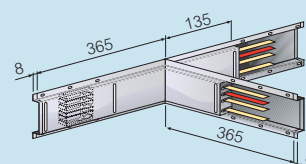
Vertical elbow - right hand



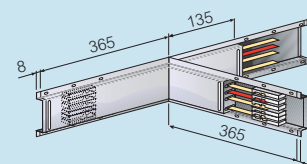
Vertical elbow - left hand



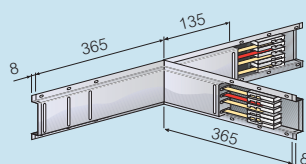
Right hand tees - male



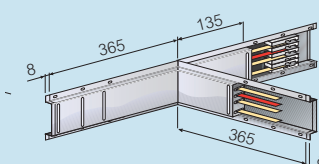
Right hand tees - female



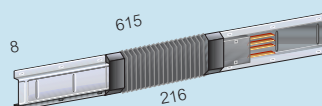
Left hand tees - female



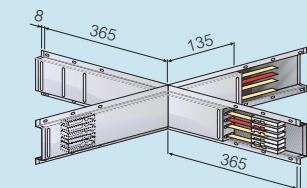
Left hand tees - male



Flexible elbow



Crossovers



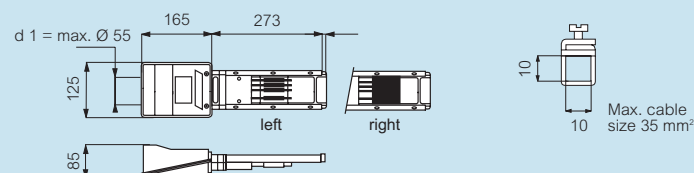
■ End feed units

Installation is carried out with a quick junction connection

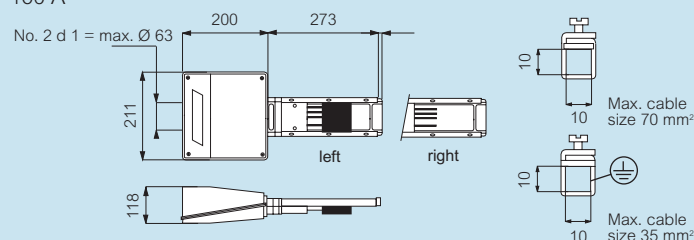
The feed units have terminals for the connection of copper cables for sections of up to 35 mm² for the 63/100 A feed unit and 70 mm² for the 160 A feed unit

The entrance point of the cables is positioned at the end of the feed unit

63 – 100 A

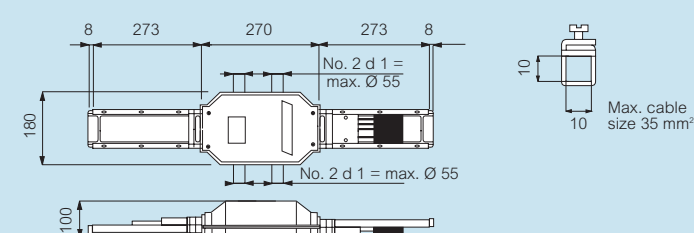


160 A

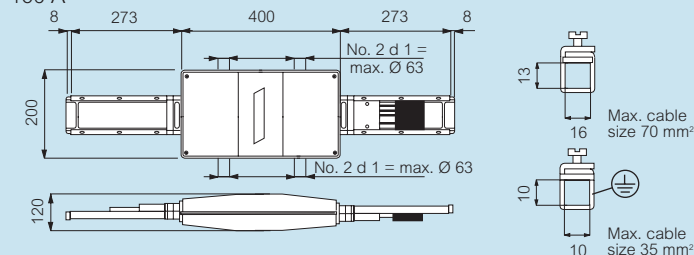


■ Centre feed units

63 – 100 A



160 A



Tap-off boxes

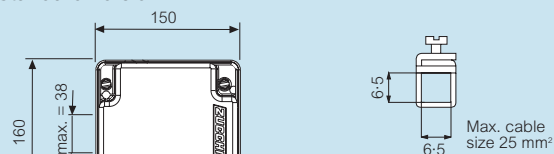
Used to connect and energise single phase and three phase loads up to 63 A. Features include :

- the PE contact (protective earth) is the first to make an electrical connection when inserting the box into the outlet and it is the last to disconnect when removing
- compliance with all insulating plastic components according to the glow-wire test (IEC 60695-2-10) with V1 self-extinguishing degree (UL94)
- standard IP 55 degree of protection without using additional accessories
- can be inserted and removed when the busbar is energised and when the fixture is under load, up to a capacity of 32 A

These boxes are available in a wide range of versions :

- 63 A empty boxes (only with a terminal board for connecting cables), with an internal DIN rail and transparent door
- 16 A - available with a set of three cylindrical fuse carriers (10·3 x 38 mm)
- 16/32 A - available with a set of three cylindrical fuse carriers - DIAZED (D01 : 16 A; D02 : 32 A);
- 50 A - available with cylindrical fuse carriers (14 x 51 mm)
- 63 A - available with 4-7-16 DIN mod.
- 16 to 63 A - available with a disconnection device integral with the cover

Standard version



Long version

