

# MR medium rating busbar

## technical information

### ■ General features

MR is fully compliant with IEC 61439-6 (BS EN 61439-6), specifically, the rated current of Zucchini busbar trunking systems is always rated at the average ambient temperature of 40°C (the Standard requires 35°C), thus offering the market suitably oversized products

The busbar casing is made from hot-dipped galvanised sheet steel and forms a high strength outer structure, which also serves as the protective conductor (PE) for the MR version

NOTE : 1000 A is supplied painted as standard

The individual conductors are made from either electrolytic copper or electro tin-plated aluminium. Standard MR trunking is supplied with four equal size conductors (TP and N +PE) whereas the optional 5 conductor version includes an additional integral 100% earth bar (TP and N +E)

The degree of protection is IP 55 throughout the system

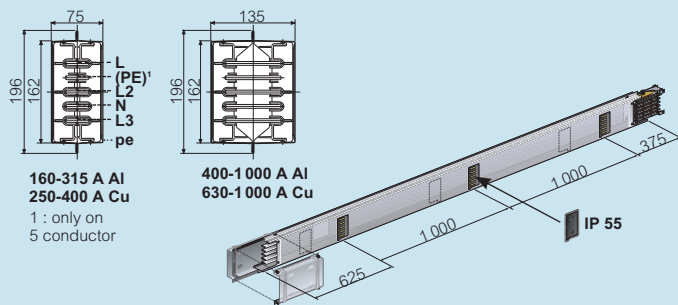
The normal recommended fixing centres for the MR range is 2.0 m

The jointing of MR lengths is done by overlapping two lengths and fastening the special locating screws. The 'monobloc' joint is then tightened by a double headed shear bolt to complete the electrical connection. A joint cover is then positioned to complete the joint

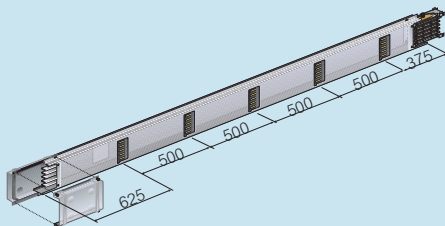
### ■ Trunking lengths – 3 m

The components and features of MR straight lengths are :

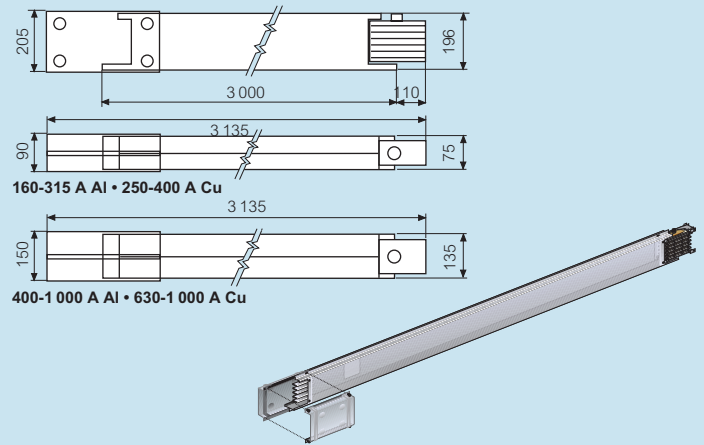
- a casing made of Senzimir quality galvanised steel used as protective earth (PE). NOTE : 1000 A is supplied painted as standard
- overall dimensions : 75 to 135 x 196 mm
- painted casing available on request (contact us on +44 (0) 370 608 9020)
- number of conductors : 4 with the same section (3P + N) with PE made from the casing or 5 when using MR full (3P + N + PE), available in the aluminum or electrolytic copper version with 99.9% purity
- conductors insulators are made of fibreglass reinforced plastic material, ensuring a V1 self-extinguishing degree (according to UL 94), 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 being connected to plug-in type tap-off boxes. These outlets open and close automatically when inserting or pulling out a tap-off box
- 'monobloc' electric junction system to connect conductors and PE in a fast and reliable way. The 'monobloc' has shear-head bolts with a preset torque setting which ensure good, long-lasting electrical continuity
- all components and accessories in the MR range are IP 55
- the whole busbar is flame retardant in compliance with the IEC 60332-3 standard



### ■ Trunking lengths – 3 m with 5 outlets on one side only



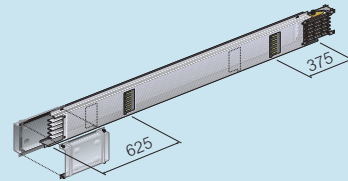
### ■ Trunking length – 3 m without outlets



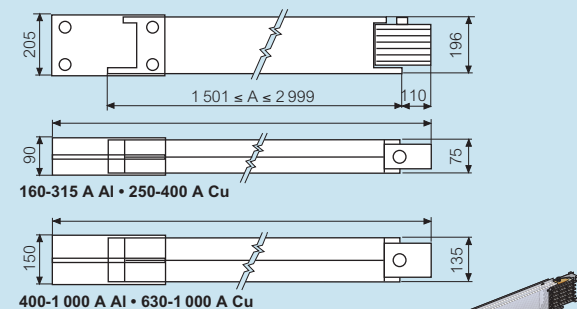
### ■ Tap-off outlet cover – IP 55



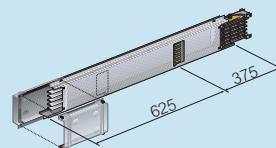
### ■ Trunking lengths – 1501 to 2999 mm with 2 + 2 outlets



### ■ Trunking lengths – 1501 to 2999 mm without outlets



### ■ Trunking lengths – 1000 to 1500 mm with 1 + 1 outlets



All dimensions (mm) are nominal