

SPECIFICATION TEXT

GDR 63-2500 A



Plug-in busbar

Code E.CD.44

Subject: Busbar trunking system 100 A up to 2500 A for the distribution of the current

Dimensional characteristics variables

Pole for rated current in A

SPECIFICATIONS BINDING QUALITY

Busbar trunking system with electrolytic copper conductors 99.9 FTE, with one bolt joint and aluminium housing. The housing has the function of the PE conductor and ensure electrical continuity throughout the busduct.

The copper conductors have a special profile "H" to take advantage of the skin effect.

3P + N system with neutral section same as of phase and protective conductor made from the aluminium housing with always greater than the phase.

Degree of protection IP50 can be increased up to IP55 (certificate).

The system is suitable for installation on ceiling, wall, riser column without derating.

Electrical data

Current ratings: 63-100-160-250-400-500-630-800-1000-1250-1600-2000-2500 A.

Rated operational current at room temperature: $T_{med24h} = 43 \text{ }^{\circ}\text{C}$ (24-hour average).

Rated insulation voltage U_i : 1000 V

Rated frequency: 50-60 Hz

Short-circuit withstand short-term, three-phase 3 s: 7 to 49 kA (see data sheet).

Straight elements

Straight elements standard 4 m in order to minimize the number of joints. There are elements on measure from 0.3 to 3.99 m.

They are available up to 8 plug in point for each side of the bus duct.

The maximum distance between two consecutive suspension brackets is 3 m

Special Items

Available on measure: straight elements, elbow, double elbows, with or without a terminal units required to make each type of route.

Connections to the pictures

The terminal connections for the panels are also possible with flexible terminals.

Tap-off plugs

Tap of box plug-in type with IP55 degree of protection, inserted under voltage with rated currents of 32-63-125-250-400 A

Contact gripping current silver and shaped so as to have a good surface contact with the conductor, inserted every meter on the busbar.

The tap of boxes for currents of 32 A can be in the version with fuse bases type 10.3×38 or prefitted for the mounting of a modular switch.

The tap of boxes 63 A, 125 A, 250 A and 400 A, can be sectioned version with fuse bases respectively type NH00, NH1 and NH2 or prefitted for the mounting of a modular switch.

The tap-off boxes mounted on the joint with nominal currents of 630-800-1000-1250 A, can be with disconnecting switches with fuse or arranged for mounting circuit breakers (MCCB).

Accessories

End feed box of center feed boxes and end cap and the end of the line.

Fire barrier REI 120 in necessary.

Suspension systems for horizontal or vertical lines.

REFERENCE STANDARDS

IEC 61439/1-6

IEC 61439/1-6

CEI EN60529

CE Marking

ISO9001 Certification

REQUIREMENTS AND TESTS

Certificates of type

Routine tests (test reports available on request)

DOCUMENTATION ACCOMPANYING THE PRODUCT

Declaration of compliance with the manufacturer's product

Datasheets

Installation, use and maintenance.

BRAND / THAT REFERENCE