DATASHEET - CU20X5

Copper busbar, 20x5x1500mm, tinned

Part no. CU20X5
Catalog No. 044092

Powering Business Worldwide™

Delivery program

Product range			60 mm system
Accessories			Flat copper bars
Single unit/Complete unit			Modular system
Description			Flat copper busbars
Surface finish			Tinned
Rated operational current	I_e	A	250
Length		mm	1500
For use with			SH0635/3
Cu factor		kg	1,34
Copper busbars			
Width		mm	20
Height		mm	5
Interval between busbar centres		mm	60
Material			Copper, tinned

Notes

Calculating material allowance → General information chapter

Selecting the busbar cross-section and the device to be used → Engineering chapter

Technical data

General

Standards			EN 13061
Utilization categories			Type tested low-voltage switchgear and controlgear assemblies (TTA); IEC/EN 60439-1, VDE 0660 Part 500 Type tested low-voltage switchgear and controlgear assemblies that are accessible for operations by unskilled persons (distribution board); IEC/EN 60439-3, VDE 0660 part 504
Ambient temperature			
Operating ambient temperature max.		°C	+ 35
Installation conditions			Indoor-/outdoor installation
Interval between busbar centres		mm	60

Contacts

Interval between busbar centres		mm	60
Rated uninterrupted current			With temperature deviations, DIN 43671 stipulates that a correction factor k2 must be taken into account
Rated uninterrupted current	I_u	A	
T_u = 35 °C and T_s = 65 °C			
with 12 x 5 mm bar	I_u	A	200
with 20 x 5 mm busbar	I_u	A	320
with 30 x 5 mm bar	I_u	A	450
with 12 x 10 mm bar	I_u	A	360
with 20 x 10 mm busbar	I_u	A	520
with 30 x 10 mm busbar	I_u	A	630

Electrical data

Rated operational current	I_e	A	250

Material characteristics

Material			Copper, tinned
Colour			RAL 7032, pebble grey
Surface finish			Tinned

Notes

For rated uninterrupted current I_u of the contact the following applies: according to DIN 43671 correction factor k2 must be taken into account in case of different temperatures.

Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature max.		°C	35

Technical data ETIM 7.0

Low-voltage industrial components (EG000017) / Busbar (EC001522)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Busbar trunking system (LV circuitry) / Busbar (low-voltage switching technology) (ecl@ss10.0.1-27-37-03-03 [ACN949011])			
Rated current In		A	250
Model			Flat
Length		mm	1500
Width		mm	20
Height		mm	5
Flexible			No
Surface protection			Tinned