

Copper busbar, 20x10x1500mm, tinned

Part no. **CU20X10**  
 Catalog No. **041719**

**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	400
Length		mm	1500
For use with			SH0635/3
Cu factor		kg	2,67

**Copper busbars**

Width		mm	20
Height		mm	10
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 $k_2$ must be taken into account
Rated uninterrupted current	$I_u$	A	
$T_u = 35\text{ °C}$ and $T_s = 65\text{ °C}$			
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	460
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**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  $k_2$  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