

## Copper busbar, 20x5x2250mm, tinned

Part no. CU20X5-2250  
 Catalog No. 007466

EL-Nummer 1711005  
 (Norway)

## 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 | 2250                |
| For use with              |       |    | SH0635/4<br>SH0632  |
| Cu factor                 |       | kg | 2,00                |

## 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 |
| Ambient temperature                |  |    |          |
| Operating ambient temperature max. |  | °C | + 35     |
| 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 | 250 |
|---------------------------|-------|---|-----|

## Material characteristics

|                |  |  |                |
|----------------|--|--|----------------|
| Material       |  |  | Copper, tinned |
| 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 |
|------------------------------------|----|----|

## 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) (ecI@ss10.0.1-27-37-03-03 [ACN949011]) |    |        |
| Rated current In                                                                                                                                                                                                         | A  | 250    |
| Model                                                                                                                                                                                                                    |    | Flat   |
| Length                                                                                                                                                                                                                   | mm | 2250   |
| Width                                                                                                                                                                                                                    | mm | 20     |
| Height                                                                                                                                                                                                                   | mm | 5      |
| Flexible                                                                                                                                                                                                                 |    | No     |
| Surface protection                                                                                                                                                                                                       |    | Tinned |