



## DATA SHEET

Article number : 09920318



## wiring components GM.4+Hi.52/16 1000 mm, cut-to-length

symbolic image

### Function

Wiring materials are components for the wiring of residual current circuit-breakers, residual current operated and miniature circuit-breakers and Do switch-disconnectors in industrial, commercial and privately used electrical distribution units. They considerably reduce the installation work and are available in a wide range of versions in multiple-pole design with various conductor cross-sections. The busbars of this series can be cut to length and are designed for the supply-side connection of residual current circuit-breakers (RCCBs) DFS 2 or DFS 4, miniature circuit-breakers (MCBs) and residual current operated circuit-breaker with integral overcurrent protection (RCBOs) on the bottom side of the devices. The bars with furcated cable lug are available in a wide range of variants in one to four-pole design (some also with space for auxiliary switches) and provide time-saving and user-friendly processing options. End caps from the 'EK' series allow the covering of open ends of bars that have been cut to length. Unused connections can be covered by the EV-S BS protective cover.

### Features

can be used in connection with residual current circuit-breakers, miniature circuit-breakers and residual current operated circuit-breakers with integral overcurrent protection, wide range of variants, saves a lot of time during wiring, entire length approx. 1000 mm, can be cut to length, insulation of the open ends using optional "EK" end caps is recommended

### Mounting

The rails are inserted in the upper or lower terminals of the devices to be connected.

### Applications

Busbars from this series are used in connection with RCCBs, MCBs and RCBOs in power supplies to residential and purpose-built buildings as well as to industrial facilities.

### Notes

The rated current specification is by no means decisive for the planning of a low-voltage installation, as the busbar heats up depending on the current level. Planning must be carried out by a qualified electrical specialist or planner and must comply with the applicable installation regulations. Protection against direct contact is only ensured when touch-protection caps are used for unused terminals. The EV-S G ANL (N left) or EV-S G ANR (N right) connection bars must be used when supplying power to miniature circuit-breakers from above in combination with Doepke residual current circuit-breakers.

### Accessories

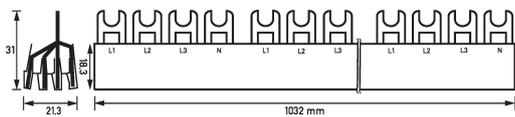
input terminals AS, feed-in terminal blocks ES, end caps EK, protective cover caps

### Technical Data

Series	GM.4+Hi.52/16
suitable for model range	DLS 6, DFS 4, DRCBO 4 Type B/B+
Phase arrangement	L1, L2, L3, N
Number of connectable devices	13
Number of Phases	3
Specification connection	fork
Rail cross-section	16 mm <sup>2</sup>
Modular dimension, rail	17.8 mm
Dielectric constant	4
Creep resistance	600
Rated voltage (AC)	500 V
Rated current (AC)	80 A
Conditional rated short-circuit current I <sub>q</sub>	15 kA
Rated short-circuit current	12.5 kA
Rated impulse withstand voltage	4.5 kV
<b>General data</b>	

Storage temperature	-40 °C ... 70 °C
Bar material	E-CU F25
Insulated	true
Insulating material	PC/ABS
Colour insulating material	light grey
Height	21 mm
Depth	30 mm
Module widths	52
Length	1032 mm
Weight	0.7 kg
Design requirements/Standards	EN IEC 61439-1, VDE 0660-600-1

**Dimensions**



Dimensional drawing Group view