

Data Sheet for Article: MGF52100B-

Ammeter, 22.5 mm, 0 - 100 A AC, blue, square



Schrack-Info

- Measurement for panel-mounting (Mounting diameter 22.5 mm)
- Simple installation and clear value display
- Includes current measuring transformer connected with 300 mm cable, internal diameter of current transformer: 16 mm
- Compliant to the product standard IEC 60947-5-1

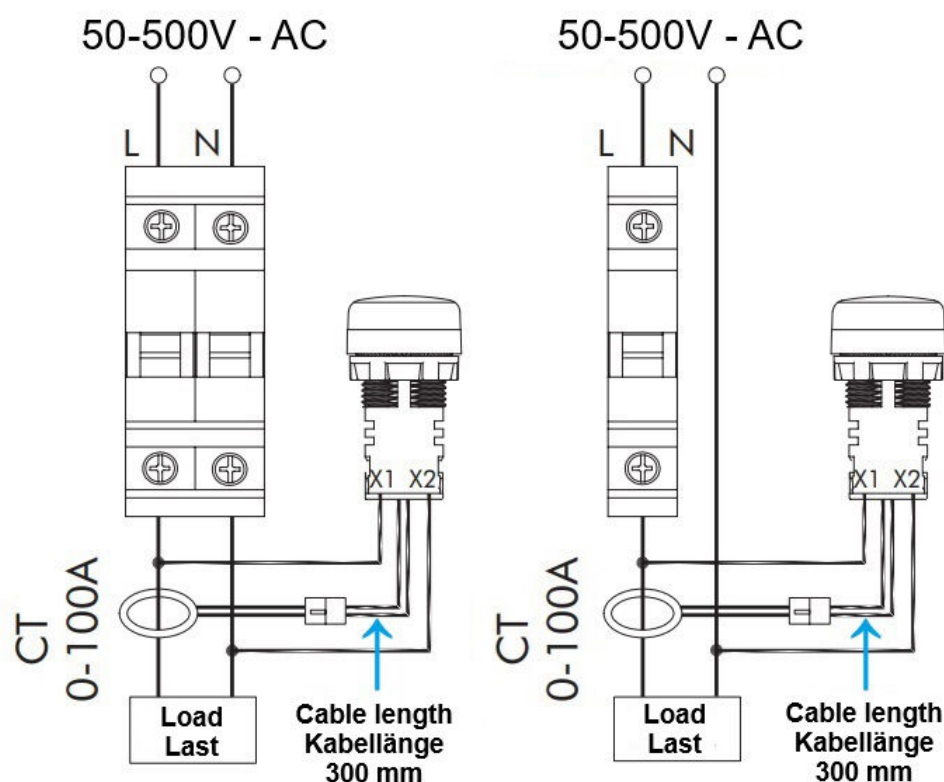
Technical Data

Standard	IEC 60947-5-1:2024 EN 60947-5-1:2017/AC:2020-05
Series	LORA
Type	Front mounting
Rated operational voltage (V)	50-500 AC
Rated operational current (A)	≤ 0,05
Rated insulation voltage [Ui] (V)	660
Rated impulse withstand voltage Uimp	2,5 kV
Illumination	illuminated
Display technology	digital
Color of LED	Blue
Measurand	Current

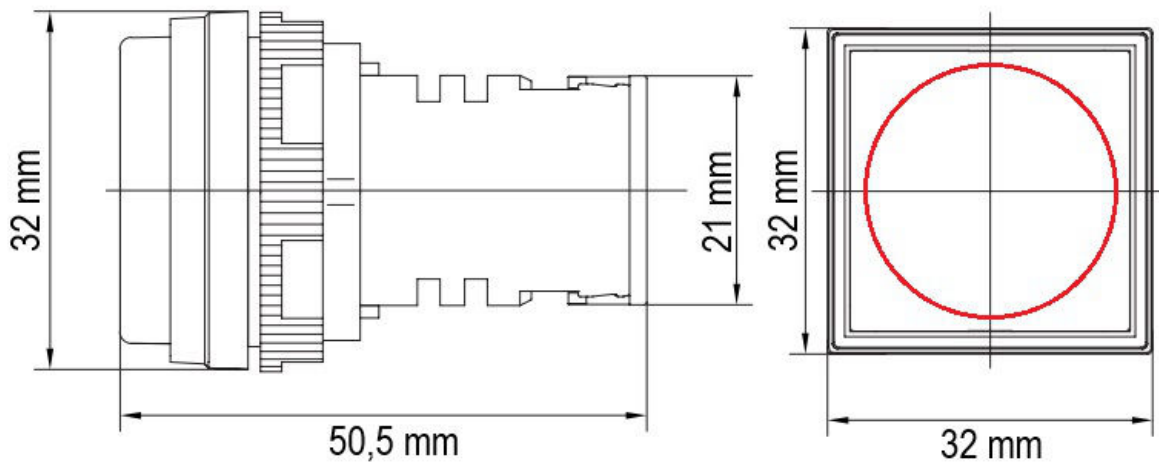
Technical Data - continued

Current range (A)	0 - 100 AC
Accuracy	
Current (tolerance)	< 50 A ± 1 A, ≥ 50 A $\pm 2\%$
Installation category	II
Pollution degree	3
Operating height (m)	≤ 2000
Humidity (%)	50% humidity at 40°C
Temperature range - Operation (°C)	-25 to +70 (daily average ≤ 35)
IP Rating	IP50 (Outdoor), IP20 (Indoor)
Service life	≥ 30000 h

Circuit diagram

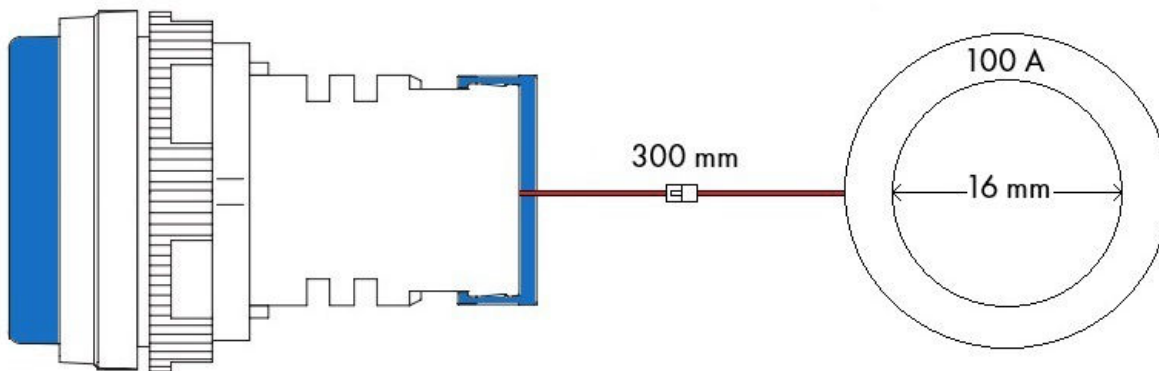


Dimensions: Product and Mounting Hole



Mounting hole size $\varnothing=22.5\text{mm}$

Dimensions: Cable and Current Transformer



Remark

Attention!

The cable length between the measuring device and the current transformer can be extended up to a maximum of 1 m.

The recommended cable cross-section is 0,5–1 mm².

If these recommendations are not followed, the qualified personnel who installs the device will be responsible for any negative consequences or inaccurate measurement results.

Article Table

DESCRIPTION	Order No.
Ammeter, 22.5 mm, 0 - 100 A AC, blue, square	MGF52100B
Optional Accessories	
IVS DIN rail adapter	MM216400
Make-up DIN rail adapter, Illumination No, Colour Grey, Series MM	
plate holder black, without plate	MM216392
Make-up Labeling material, Illumination No, Series MM	
Label, 18x27 mm alu blank	MM216480
Make-up Labeling material, Illumination No, Series MM	