

Data Sheet for Article: MGF42100B-

Volt/ Ammeter 22.5 mm, 50-500 V 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

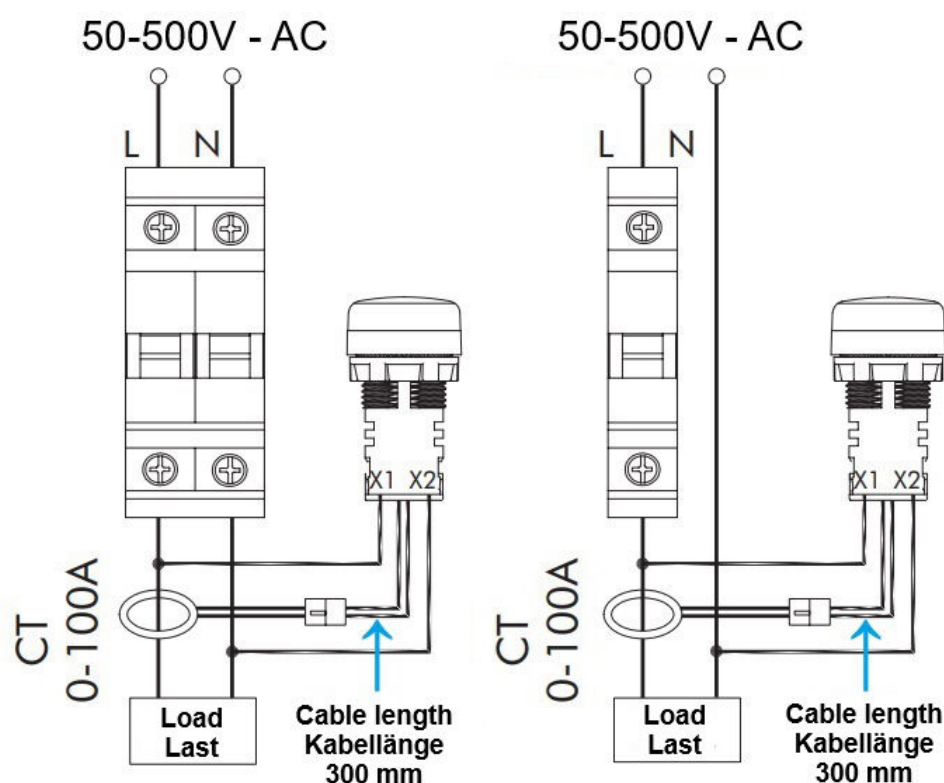
Technical Data

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

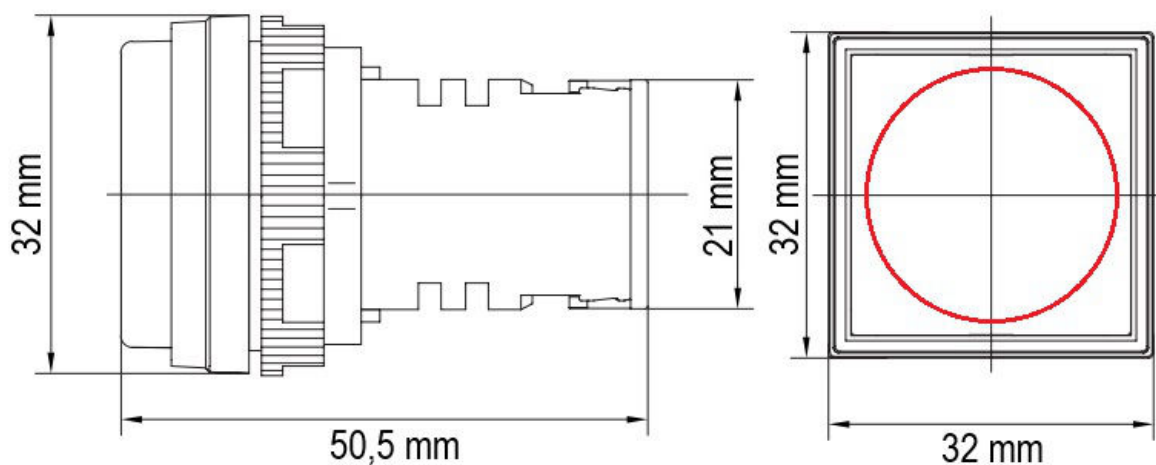
Technical Data - continued

Measurand	Voltage Current
Measuring range	
Voltage range (V)	50 - 500 AC
Current range (A)	0 - 100 AC
Accuracy	
Voltage (tolerance)	±2%
Current (tolerance)	< 50 A ±1 A, ≥50 A ±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

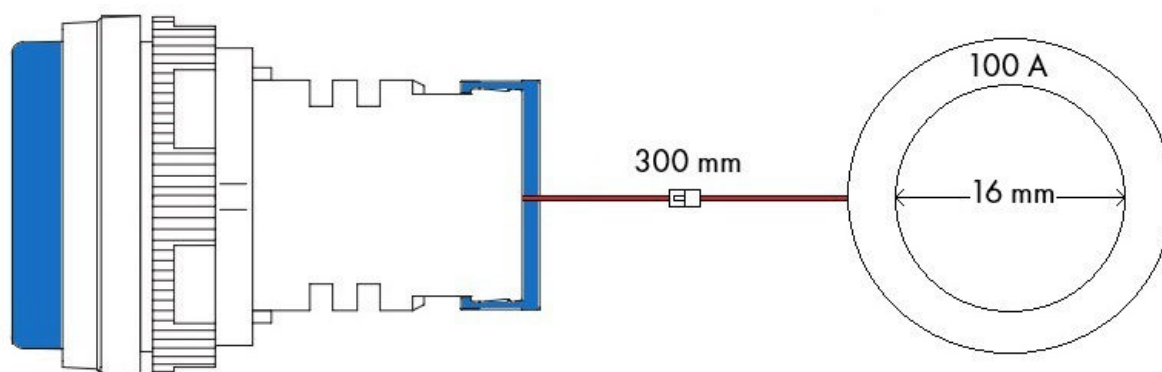


Dimensions: Product and Mounting Hole



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.
Volt/ Ammeter 22.5 mm, 50-500 V 0-100 A AC, blue, square	MGF42100B
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	