**MRI11**

**Current monitoring relay AC/DC, single phase**

**DIN Rail mounting according to DIN 43 880**

**Type: MRI11/...V**
Current monitoring relay with over- and under voltage thresholds up to 5 A.
Alarm delay setting. Alarm LED. Display for voltmeter function, alarm signal and interactive parameter setting.
1 change-over alarm contact 5 A 250 V. Comfortable parameter setting.

**Measuring circuit data**
- Over/under current setting ranges AC / DC: 0 ... 5 A
- Frequency: DC, AC 16 ... 100 Hz
- Resolution: 1 mA
- Accuracy: 2 % ±1 digit
- Input resistance: 5 MO

**Time data**
- Alarm delay setting time: 0.1 ... 999.9 s
- Reset time setting range: 0.1 ... 999.9 s
- Voltage failure buffering: ca. 30 ms

**Contacts**
- Type / Material: 1 CO / AgNi 0.15
- Rated operational current: 6 A
- Max. inrush current: 15 A
- Max. switching voltage: 250 V
- Max. AC load AC-1 (Fig.1): 1250 VA
- Max. DC load DC-1, 24 V / 220 V (Fig.2): 120 W / 25 W
- Recommended min. contact load: 10 mA / 10 V

**Power supply**
- Nominal voltage AC/DC: 12 ... 48 V
- Operating voltage range: 9.6 ... 57.6 V
- AC frequency: 16 ... 63 Hz
- Power consumption: 2 W / 4 VA

**Insulation**
- Test voltage open - contact: 1 kVrms 1 minute
- Test voltage measuring input - contacts: 4 kVms 1 minute
- Test voltage measuring input - power supply: 4 kVms 1 minute

**General specifications**
- Ambient temperature storage /operation: -40 ... +85 °C / -25 ... +60 °C
- Mechanical life of contacts: 30 x 10⁶ operations
- Conductor cross section: Stranded wire 2.5 mm², 2 x 1.5 mm²
- Ingress protection degree: IP20, (electronics: IP40)
- Max. screw torque: 0.4 Nm
- Housing material: Lexan EXL 9330
- Weight: 130 g

**Technical approvals, conformities**

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**Connection diagram**

**Fig.1 AC voltage endurance**

**Fig. 2 DC load limit curve**

**Dimensions [mm]**

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This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.