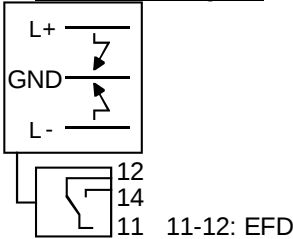


Earth Fault Monitor

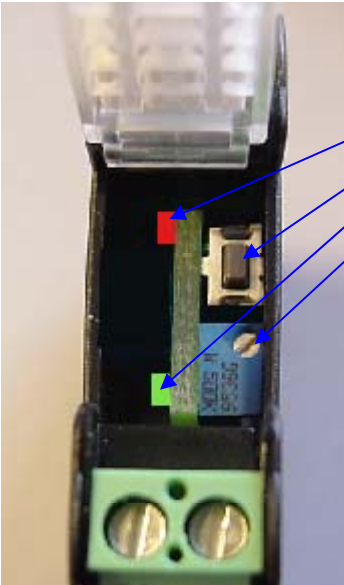
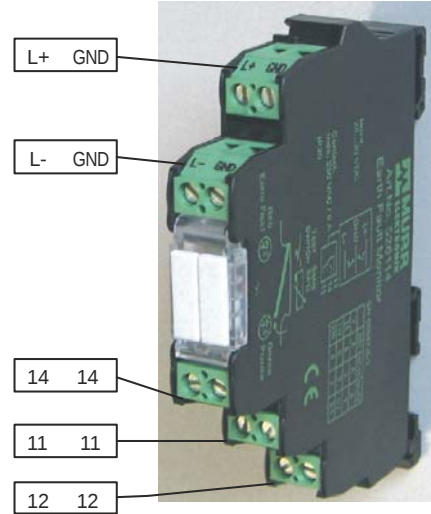
Input Voltage	20 V DC to 30 V DC
Current consumption	max. 35 mA
Adjustable max. earth fault impedance.....	40 kΩ to 120 kΩ
Earth fault indication delay.....	approx. 3 s
Isolation between Input/Output	350 V
Pollution degree.....	2
Overvoltage category.....	II
Switching range voltage	12 V AC/DC to 230 V AC/DC
Switching range current.....	0,1 A to 6 A
Contact material.....	AgSnO2
Type of connection	Screw type terminals
Connector cross-section SK.....	Single core 1 × (0,25 to 4) mm² Fine stranded 1 × (0,5 to 2,5) mm²
Ambient temperature	0 °C to +60 °C
Storage temperature	-40 °C to +80 °C
IP enclosure type	IP20 (mounted in switch cabinet)
Attachment mode.....	Can be clipped onto TH35 rail according to EN 60715
Location/Mounting	Random/can be rowed w/o standoff
Housing material.....	Lexan 920 (V0) black
Label holders	Lexan 920 (V0) clear
Id. label	Polyamide 6.6 (V2) white
Printing	Housing according to photo, green imprint
Packing material	Transport protection according to EN 60068-2-32
Dimensions H x W x D.....	90 mm x 12,4 mm x 65 mm
Weight	Approx. 65 g

Schematic diagram



EN 60947-5-1

	AC1	AC15	DC13
V	A	A	A
24	6	3	1
110	6	3	0,2
230	6	3	0,1



Components on front side:

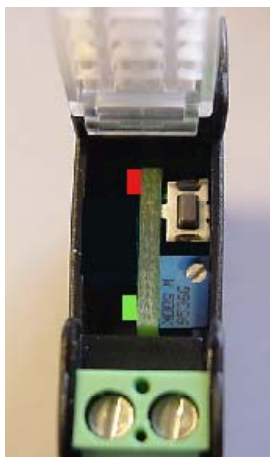
- LED red (Alarm)
- Test button (MOM-OFF)
- LED green (Power)
- Potentiometer 50 kΩ (Sensibility detection)

Connection :

L+ : Supply 20 V DC ... 30 V DC
 GND: Earth
 L- : Supply 0 V DC

relay contact
 14 : open upon Earth fault
 11 : common
 12 : closed upon Earth fault

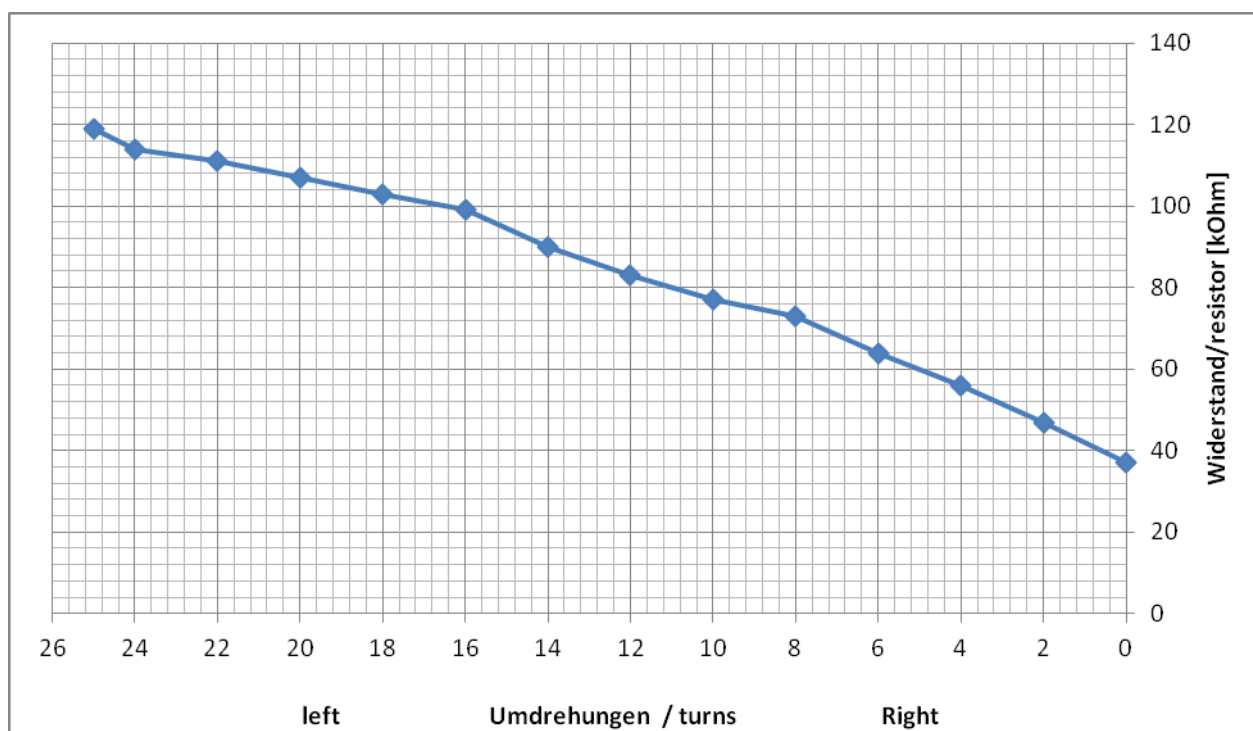
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				b	22.10.15	röd		
				Ges.				
							Überwachungsmodul	
b	Sensitivity	22.10.15	röd					Blatt 1
Idx.	Änderung	Datum	Nam.					2 Bl.
a	Erstausgabe	15.04.08	km	Dateiname 526114_db_e_b.doc				



The potentiometer has 25 turns.

At the right end of the scale, the module is less sensitive. An Earth fault will be detected for an impedance $\leq 40 \text{ k}\Omega$ between L + and GND or L- and GND ($0\Omega \leq R \leq 40\text{k}\Omega$)

At the left end of the scale, the module is more sensitive. An Earth fault will be detected for an impedance $\leq 120 \text{ k}\Omega$ between L + and GND or L- and GND ($0\Omega \leq R \leq 120\text{k}\Omega$)



				Idx.	Datum	Gepr.	Datenblatt / Data sheet		
				a	15.04.08	röd			
				b	22.10.15	röd			
				Ges.					
							Überwachungsmodul		
b	Sensitivity	22.10.15	röd				Art.-No. 526114		Blatt
Idx.	Änderung	Datum	Nam.						2
a	Erstausgabe	15.04.08	km	Dateiname 526114_db_e_b.doc			2 Bl.		