



IMD-2R

IMD-2R, Monitoring relay for offline insulation. It controls and monitors the insulation resistance of the receivers that are occasionally disconnected from the electrical network,

Code: P33020.

Specifications

AC power supply	
Installation category	CAT III 300 V
Consumption	2,2 ... 7 VA
Frequency	50 ... 60 Hz
Nominal voltage	90 ... 276 V~
DC power supply	
Installation category	CAT III 300 V
Consumption	1,3 ... 1,9 W
Nominal voltage	90 ... 276 Vdc
Mechanical characteristics	
Size (mm) width x height x depth	35 x 112 x 84 (mm)
Envelope	Polycarbonate V0
Weight (kg)	0,16
Environmental characteristics	
Protection class	IP 20
Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-30 ... +80 °C
Working temperature	-10 ... +55 °C
Electrical characteristics	
Earthing system	TT-TN-IT
Measurement circuit with insulation monitoring	
Impedance Zi at 50 Hz	0,43 MΩ
DC (Ri) internal resistance	0,35 MΩ
Maximum Im measured current (With RF = 0 Ω)	10 μA
Permanent allowable extraneous voltage (Ufg)	300 Vcc
Response time (tan) = 0.5 x Ran and Ce = 1 μF	< 2 s
Peak value measuring voltage (Um)	10 Vcc
Response value (Ran)	100
Hysteresis	+ 25%
Standards	
Electrical safety, Maximum height (m)	2000



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Electrical safety, Contamination level/class	Category 2
Standards	IEC 61557-1, IEC 61557-8, IEC 61326-1, IEC 61010-1

User interface

LED	7 LED: ON, AL1 (LED bar), AL2
Keyboard	3 keys
Display type	LCD (Backlight bicolor)

PE connection fault measurement

Fault detection	Open circuit (> 100 kΩ)
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Digital relay outputs

Quantity	2
Maximum current	5 A
Maximum open contact voltage	250 V~
Electrical life	1 x 10 ⁵ ciclos (250 Vca / 5A)
Mechanical life	15 x 10 ⁶ Cycles
Maximum switching capacity	1250 VA

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Dimensions



Connections

