

residual current protection relay, Vigirex RHU, 30 mA to 30 A, 110/130 VAC 50/60Hz, communicating, front panel mounting

LV481002

EAN Code: 3606485434711

Main

VigiPacT	
RHU	
Residual current protection relay	
Monitoring relay	
Protection relay	
Front panel	
Type A	
Keypad	
Modbus address	
Adjustable	
0.031 A, adjustable in step of 0.001 A	
130 A, adjustable in step of 0.1 A	
Instantaneous for 0.03 A	
Adjustable 04.5 s for 0.0330 A adjustable in step of 10 ms	
0.0151 A adjustable in step of 0.001 A pre-alarm	
130 A adjustable in step of 0.1 A pre-alarm	
0.031 A adjustable in step of 0.001 A alarm	
130 A adjustable in step of 0.1 A alarm	
VigiPacT TOA earth leakage current sensor	
VigiPacT A earth leakage current sensor	
VigiPacT L earth leakage current sensor	
8 A	
10 mA at 12 V	
110130 V AC 50/60 Hz 70110 %	
8 VA	
1000 V - AC at 50/60 Hz (maximum)	
1000 V - AC at 400 Hz (maximum)	
П	
IT	
TN-S	
8 kV	
Remote reset	

Complementary

Test function	Remote test Remote test (via communication) Local	
Signal contacts composition	1 C/O alarm fail-safe 1 NO pre-alarm fail-safe	
Type of measurement	Earth fault current internal measurement, range: 20200 %, accuracy: +/- 20 %	
Refresh time	0.5 s	
Communication service	Modbus slave	
Tamperproof of settings	Protected by access code	
Connections - terminals	Alarm circuit: terminal block cable(s) 0.22.5 mm² flexible AWG 22AWG 12 Alarm circuit: terminal block cable(s) 0.22.5 mm² rigid AWG 22AWG 12 Relay test and fault reset: terminal block cable(s) 0.22.5 mm² flexible AWG 22AWG 12 Relay test and fault reset: terminal block cable(s) 0.22.5 mm² rigid AWG 22AWG 12	
	Sensor: terminal block cable(s) 0.22.5 mm² flexible AWG 22AWG 12 Sensor: terminal block cable(s) 0.22.5 mm² rigid AWG 22AWG 12 Voltage presence: terminal block cable(s) 0.22.5 mm² flexible AWG 22AWG 12 Voltage presence: terminal block cable(s) 0.22.5 mm² rigid AWG 22AWG 12 Power supply: terminal block cable(s) 0.22.5 mm² flexible AWG 22AWG 12 Power supply: terminal block cable(s) 0.22.5 mm² rigid AWG 22AWG 12 Pre alarm: terminal block cable(s) 0.22.5 mm² flexible AWG 22AWG 12 Pre alarm: terminal block cable(s) 0.22.5 mm² rigid AWG 22AWG 12	
Wire stripping length	Alarm circuit: 6 mm Relay test and fault reset: 6 mm Sensor: 6 mm Voltage presence: 6 mm Power supply: 6 mm Pre alarm: 6 mm	
Tightening torque	Alarm circuit: 0.5 N.m Relay test and fault reset: 0.5 N.m Sensor: 0.5 N.m Voltage presence: 0.5 N.m Power supply: 0.5 N.m Pre alarm: 0.5 N.m	
Standards	EN/IEC 60947-2 Annex M EN/IEC 60755	
Width	72 mm	
Height	72 mm	
Depth	117 mm	
Cut-out dimensions	68 x 68 mm	
Net weight	0.3 kg	
IP degree of protection	IP40 front face: conforming to IEC 60529 IP30 other parts: conforming to IEC 60529 IP20 connection: conforming to IEC 60529	
IK degree of protection	IK07 conforming to EN 50102	
Mechanical robustness	Vibrations 13.2100 Hz: 0.7 g Vibrations 213.2 Hz: +/- 1 mm	
Environment		
Environmental characteristic	Exposure to damp heat not in service conforming to IEC 60068-2-30 Exposure to damp heat in service conforming to IEC 60068-2-56 Salt mist conforming to IEC 60068-2-52	
Overvoltage category	IV	
Electrical shock protection class	Class II	

Electromagnetic compatibility	Conducted and radiated emissions: , B, conforming to CISPR 11 Conducted radio-frequency immunity test: , 3, conforming to IEC 61000-4-6 Electrostatic discharge immunity test: , 4, conforming to IEC 61000-4-2 High-energy conducted susceptibility: , 4, conforming to IEC 61000-4-5 Low-energy conducted susceptibility: , 4, conforming to IEC 61000-4-4 Radiated susceptibility: , 3, conforming to IEC 61000-4-3	
Relative humidity	95 % at 55 °C	
Pollution degree	3 conforming to IEC 60664-1	
Ambient air temperature for operation	-2555 °C	
Ambient air temperature for storage	-4085 °C	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8 cm
Package 1 Width	11 cm
Package 1 Length	16 cm
Package 1 Weight	464 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.487 kg

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	163
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	6b2913b0-ca83-4683-bb4c-744a8bb90c08
REACh Regulation	REACh Declaration
Halogen content performance	Halogen free plastic parts product

Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins