



Main

Range	VigiPacT
Device short name	RH99P
Product or Component Type	Residual current protection relay
Relay application	Protection relay
Mounting Support	Front panel
Earth-leakage protection class	Type A
Type of setting	Selector
Residual earth-leakage sensitivity adjustment type	Adjustable 9 settings
Earth-leakage sensitivity	0.03...30 A
Earth-leakage time delay	Instantaneous for 0.03 A Adjustable 9 settings 0...4.5 s for 0.03...30 A
Current sensors compatibility	TOA earth leakage current sensor A earth leakage current sensor L earth leakage current sensor
[I _{the}] conventional enclosed thermal current	8 A
Minimum load	10 mA 12 V
[U _s] rated supply voltage	220...240 V AC 50/60 Hz 55...110 %
Power consumption in VA	4 VA
Monitored distribution system	1000 V - AC 50/60 Hz maximum) 1000 V - AC 400 Hz maximum)
Earthing system	IT TT TN-S
[U _{imp}] rated impulse withstand voltage	8 kV
Reset	Manual reset

Complementary

Test function	Local Remote test
Monitoring	Electronics continuous) Power supply continuous) Relay/sensor link continuous)
Type of measurement	Earth fault current internal measurement 80...100 %
Tamperproof of settings	Protected by sealable cover
Connections - terminals	Auxiliary power supply terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) flexible AWG 24...AWG 12 Auxiliary power supply terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) rigid AWG 24...AWG 12 Auxiliary power supply terminal block 0.00...0.00 in ² (0.25...2.5 mm ²) flexible AWG 24...AWG 12 Fault terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) flexible AWG 24...AWG 12 Fault terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) rigid AWG 24...AWG 12 Fault terminal block 0.00...0.00 in ² (0.25...2.5 mm ²) flexible AWG 24...AWG 12 Relay test and fault reset terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) flexible AWG 24...AWG 12 Relay test and fault reset terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) rigid AWG 24...AWG 12 Relay test and fault reset terminal block 0.00...0.00 in ² (0.25...2.5 mm ²) flexible AWG 24...AWG 12 Sensor terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) flexible AWG 24...AWG 12 Sensor terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) rigid AWG 24...AWG 12 Sensor terminal block 0.00...0.00 in ² (0.25...2.5 mm ²) flexible AWG 24...AWG 12 Voltage presence terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) flexible AWG 24...AWG 12 Voltage presence terminal block 0.00...0.00 in ² (0.2...2.5 mm ²) rigid AWG 24...AWG 12 Voltage presence terminal block 0.00...0.00 in ² (0.25...2.5 mm ²) flexible AWG 24...AWG 12
Wire stripping length	Auxiliary power supply 0.28 in (7 mm) Fault 0.28 in (7 mm) Relay test and fault reset 0.28 in (7 mm) Sensor 0.28 in (7 mm) Voltage presence 0.28 in (7 mm)
Tightening torque	Auxiliary power supply 5.31 lbf.in (0.6 N.m) Fault 5.31 lbf.in (0.6 N.m) Relay test and fault reset 5.31 lbf.in (0.6 N.m) Sensor 5.31 lbf.in (0.6 N.m) Voltage presence 5.31 lbf.in (0.6 N.m)
Width	2.83 in (72 mm)
Height	2.83 in (72 mm)
Depth	3.07 in (78 mm)
Cut-out dimensions	68 x 68 mm
Net Weight	0.66 lb(US) (0.3 kg)
IP degree of protection	On front face IP40 EN/IEC 60529 On side parts IP30 EN/IEC 60529 On connection terminals IP20 EN/IEC 60529
IK degree of protection	IK07 EN 50102
Mechanical robustness	Fire resistance IEC 60695-2-1 IK protection 2 joules IK07 EN 50102 Vibrations 13.2...100 Hz 0.7 g Vibrations 2...13.2 Hz +/- 1 mm

Environment

Overvoltage category	IV
Electrical shock protection class	Class II
Electromagnetic compatibility	Conducted and radiated emissions B CISPR 11 Conducted radio-frequency immunity test 3 IEC 61000-4-6 Electrostatic discharge immunity test 4 IEC 61000-4-2 High-energy conducted susceptibility 4 IEC 61000-4-5 Low-energy conducted susceptibility 4 IEC 61000-4-4 Radiated susceptibility 3 IEC 61000-4-3
Relative humidity	95 % 131 °F (55 °C)
Pollution degree	3 IEC 60664-1

Ambient Air Temperature for Operation	-31...158 °F (-35...70 °C)
Ambient Air Temperature for Storage	-67...185 °F (-55...85 °C)

Ordering and shipping details

Category	01101-NF..E COMPACT NS IEC CIRCUIT BREAKERS, SWITCHES & MCP'S
Discount Schedule	DE2
GTIN	3303430562733
Nbr. of units in pkg.	1
Package weight(Lbs)	10.86 oz (308.0 g)
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.07 in (7.8 cm)
Package 1 width	3.46 in (8.8 cm)
Package 1 Length	3.43 in (8.7 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	36
Package 2 Weight	25.52 lb(US) (11.575 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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