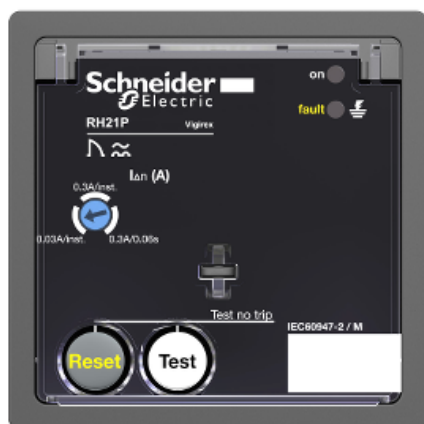




## Main

|                           |                                                                                          |
|---------------------------|------------------------------------------------------------------------------------------|
| Range                     | Vigirex                                                                                  |
| Range of product          | Vigirex                                                                                  |
| Device short name         | RH21P                                                                                    |
| Product or component type | Residual current protection relay                                                        |
| Range compatibility       | Vigirex RH TOA earth leakage current sensor<br>Vigirex RH A earth leakage current sensor |
| Relay application         | Residual current protection relay                                                        |

## Complementary

|                                                           |                                                                                                                                                                                                  |
|-----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Earthing system                                           | IT<br>TN-S<br>TT                                                                                                                                                                                 |
| [Us] rated supply voltage                                 | 110...130 V AC 50/60 Hz                                                                                                                                                                          |
| Power consumption in VA                                   | 4 VA                                                                                                                                                                                             |
| Type of measurement                                       | Earth fault current internal measurement, range: 80...100 %                                                                                                                                      |
| Residual earth-leakage time delay adjustment type         | Instantaneous 0.03 A<br>Instantaneous 0.3 A<br>Fixed 0.3 A 0.06 s                                                                                                                                |
| Test function                                             | Local<br>Remote test                                                                                                                                                                             |
| Monitoring                                                | Electronics (continuous)<br>Power supply (continuous)<br>Relay/sensor link (continuous)                                                                                                          |
| [I <sub>the</sub> ] conventional enclosed thermal current | 8 A                                                                                                                                                                                              |
| Minimum load                                              | 10 mA at 12 V                                                                                                                                                                                    |
| Product weight                                            | 0.3 kg                                                                                                                                                                                           |
| Mechanical robustness                                     | Fire resistance conforming to IEC 60695-2-1<br>IK protection 2 joules: IK07 conforming to EN 50102<br>IP protection: IP20 conforming to IEC 60529<br>IP protection: IP30 conforming to IEC 60529 |

IP protection: IP40 conforming to IEC 60529  
 Vibrations 13.2...100 Hz: 0.7 g  
 Vibrations 2...13.2 Hz: +/- 1 mm

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Earth-leakage protection class | Class A si<br>Class AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Overvoltage category           | IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Tamperproof of settings        | Protected by sealable cover                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mounting support               | Panel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Height                         | 72 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Width                          | 72 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Depth                          | 78 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Connections - terminals        | Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Auxiliary power supply: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12<br>Auxiliary power supply: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Fault: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Fault: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12<br>Fault: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Relay test and fault reset: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12<br>Relay test and fault reset: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Sensor: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Sensor: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12<br>Sensor: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Voltage presence: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12<br>Voltage presence: terminal block cable(s) 0.2...2.5 mm <sup>2</sup> rigid AWG 24...AWG 12<br>Voltage presence: terminal block cable(s) 0.25...2.5 mm <sup>2</sup> flexible AWG 24...AWG 12 |
| Wire stripping length          | Auxiliary power supply: 7 mm<br>Fault: 7 mm<br>Relay test and fault reset: 7 mm<br>Sensor: 7 mm<br>Voltage presence: 7 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Tightening torque              | Auxiliary power supply: 0.6 N.m<br>Fault: 0.6 N.m<br>Relay test and fault reset: 0.6 N.m<br>Sensor: 0.6 N.m<br>Voltage presence: 0.6 N.m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient air temperature for operation | -35...70 °C                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Ambient air temperature for storage   | -55...85 °C                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Electromagnetic compatibility         | Conducted and radiated emissions: , B, conforming to CISPR 11<br>Conducted radio-frequency immunity test: , 3, conforming to IEC 61000-4-6<br>Electrostatic discharge immunity test: , 4, conforming to IEC 61000-4-2<br>High-energy conducted susceptibility: , 4, conforming to IEC 61000-4-5<br>Low-energy conducted susceptibility: , 4, conforming to IEC 61000-4-4<br>Radiated susceptibility: , 3, conforming to IEC 61000-4-3 |
| Electrical shock protection class     | Class II                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                            |
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                                     |
| 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 |
|----------|-----------|