### Characteristics

56270
residual current protection relay, Vigirex RH99P, 30mA to 30A, 12 to 24VAC 50/60Hz, 12 to 48VDC, local manual reset

Price**: 1,601.00 USD

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### Main

- **Range**: Vigirex
- **Range of product**: Vigirex
- **Device short name**: RH99P
- **Product or component type**: Residual current protection relay
- **Range compatibility**: Vigirex RH TOA earth leakage current sensor, Vigirex RH A earth leakage current sensor
- **Relay application**: Residual current protection relay

### Complementary

- **Earthing system**: IT, TN-S, TT
- **[Us] rated supply voltage**: 12...24 V AC 50/60 Hz, 12...48 V DC
- **Power consumption in VA**: 4 VA
- **Type of measurement**: Earth fault current internal measurement 80...100 %
- **Residual earth-leakage time delay adjustment type**: Instantaneous 0.03 A, Adjustable 9 settings 0.03…30 A 0…4.5 s
- **Test function**: Remote test, Local
- **Monitoring**: Electronics continuous, Power supply continuous, Relay/sensor link continuous

| [Ithe] conventional enclosed thermal current | 8 A |
| Minimum load | 10 mA 12 V |
| Net weight | 0.66 lb(US) (0.3 kg) |
| Mechanical robustness | Fire resistance IEC 60695-2-1 |

**Disclaimer**: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Jan 6, 2020
**Earth-leakage protection class**  
Class A si  
Class AC

**Overvoltage category**  
IV

**Tamperproof of settings**  
Protected by sealable cover

**Mounting support**  
Panel

**Height**  
2.83 in (72 mm)

**Width**  
2.83 in (72 mm)

**Depth**  
3.07 in (78 mm)

**Connections - terminals**

<table>
<thead>
<tr>
<th>Terminal Type</th>
<th>Wire Size</th>
<th>Flexible AWG</th>
<th>Rigid AWG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary power supply</td>
<td>0.00...0.00 in²</td>
<td>24...AWG 12</td>
<td>AWG 12</td>
</tr>
<tr>
<td>Fault</td>
<td>0.00...0.00 in²</td>
<td>24...AWG 12</td>
<td>AWG 12</td>
</tr>
<tr>
<td>Relay test and fault reset</td>
<td>0.00...0.00 in²</td>
<td>24...AWG 12</td>
<td>AWG 12</td>
</tr>
<tr>
<td>Sensor</td>
<td>0.00...0.00 in²</td>
<td>24...AWG 12</td>
<td>AWG 12</td>
</tr>
<tr>
<td>Voltage presence</td>
<td>0.00...0.00 in²</td>
<td>24...AWG 12</td>
<td>AWG 12</td>
</tr>
</tbody>
</table>

**Wire stripping length**

<table>
<thead>
<tr>
<th>Terminal Type</th>
<th>Wire Stripping Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary power supply</td>
<td>0.28 in (7 mm)</td>
</tr>
<tr>
<td>Fault</td>
<td>0.28 in (7 mm)</td>
</tr>
<tr>
<td>Relay test and fault reset</td>
<td>0.28 in (7 mm)</td>
</tr>
<tr>
<td>Sensor</td>
<td>0.28 in (7 mm)</td>
</tr>
<tr>
<td>Voltage presence</td>
<td>0.28 in (7 mm)</td>
</tr>
</tbody>
</table>

**Tightening torque**

<table>
<thead>
<tr>
<th>Terminal Type</th>
<th>Torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary power supply</td>
<td>5.31 lbf.in (0.6 N.m)</td>
</tr>
<tr>
<td>Fault</td>
<td>5.31 lbf.in (0.6 N.m)</td>
</tr>
<tr>
<td>Relay test and fault reset</td>
<td>5.31 lbf.in (0.6 N.m)</td>
</tr>
<tr>
<td>Sensor</td>
<td>5.31 lbf.in (0.6 N.m)</td>
</tr>
<tr>
<td>Voltage presence</td>
<td>5.31 lbf.in (0.6 N.m)</td>
</tr>
</tbody>
</table>

**Environment**

- Ambient air temperature for operation: -31...158 °F (-35...70 °C)
- Ambient air temperature for storage: -67...185 °F (-55...85 °C)
- Electromagnetic compatibility:
  - Conducted and radiated emissions (CISPR 11)
  - Conducted radio-frequency immunity (IEC 61000-4-6)
  - Electrostatic discharge immunity (IEC 61000-4-2)
  - High-energy conducted susceptibility (IEC 61000-4-5)
  - Low-energy conducted susceptibility (IEC 61000-4-4)
  - Radiated susceptibility (IEC 61000-4-3)
- Electrical shock protection class: Class II

**Ordering and shipping details**

- Category: 01101-NF..E COMPACT NS IEC BRKR/SW/MCP
- Discount Schedule: DE2
- GTIN: 00785901803225
- Package weight (Lbs): 0.49 lb (0.220 kg)
- Returnability: No
- Country of origin: FR

**Offer Sustainability**

- Sustainable offer status: Green Premium product
- REACh Regulation: REACh Declaration
| EU RoHS Directive | Compliant  
|------------------|-------------
| Mercury free | Yes  
| RoHS exemption information | Yes  
| China RoHS Regulation | China RoHS declaration  
Product out of China RoHS scope. Substance declaration for your information.  
| 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