A9L16295
iQuick PRD20r modular surge arrester - 1 pole + N - 350V - with remote transfer

Main
Range of product Acti 9
Product name Acti 9 iQuick PRD
Product or component type Surge arrester with pluggable cartridge
Device short name iQuick PRD20r
Device application Distribution
Poles description 1P + N
Remote signalling With
Signal contacts composition 1 SD (1 C/O)
Surge arrester type Electrical distribution network
Earthing system TT

Complementary
Surge arrester class type Type 2
Surge arrester technology MOV + GDT
\[Ue\] rated operational voltage 230 V AC (+/- 10 %) at 50/60 Hz
\[In\] nominal discharge current Common mode: 5 kA (L/PE)
Common mode: 5 kA (N/PE)
Differential mode: 5 kA (L/N)
\[Imax\] maximum discharge current Common mode: 20 kA L/PE
Common mode: 20 kA N/PE
Differential mode: 20 kA L/N
\[Uc\] maximum continuous operating voltage Common mode: 264 V N/PE
Differential mode: 350 V L/N
Maximum [Up] voltage protection level Common mode <1.7 kV type 2 N/PE
Differential mode <1.7 kV type 2 L/N
\[Ut\] temporary overvoltage 1200 V N/PE 200 ms withstand
415 V L/N 5 s withstand
440 V L/N 7200 s safe failure mode
Disconnector device type Integrated circuit breaker - Icu 25 kA
<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Isccr] short-circuit current rating</td>
<td>25 kA</td>
</tr>
<tr>
<td>[Isccr] short-circuit current rating: double fault</td>
<td>25 kA</td>
</tr>
<tr>
<td>Signalling circuit voltage</td>
<td>2 A/250 V AC 50/60 Hz</td>
</tr>
<tr>
<td>Mounting mode</td>
<td>Clip-on</td>
</tr>
<tr>
<td>Mounting support</td>
<td>DIN rail</td>
</tr>
<tr>
<td>9 mm pitches</td>
<td>8</td>
</tr>
<tr>
<td>Height</td>
<td>91.4 mm</td>
</tr>
<tr>
<td>Width</td>
<td>72 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>75.9 mm</td>
</tr>
<tr>
<td>Net weight</td>
<td>435 g</td>
</tr>
<tr>
<td>Colour</td>
<td>White (RAL 9003)</td>
</tr>
<tr>
<td>Response time</td>
<td>(\leq 25) ns</td>
</tr>
<tr>
<td>Ground residual current</td>
<td>1 mA</td>
</tr>
<tr>
<td>Connections - terminals</td>
<td>Tunnel type terminal (L/N) 2.5…25 mm² rigid</td>
</tr>
<tr>
<td></td>
<td>Tunnel type terminal (ground) 2.5…25 mm² rigid</td>
</tr>
<tr>
<td></td>
<td>Tunnel type terminal (L/N) 2.5…25 mm² flexible</td>
</tr>
<tr>
<td></td>
<td>Tunnel type terminal (ground) 2.5…25 mm² flexible</td>
</tr>
<tr>
<td></td>
<td>Tunnel type terminal (L/N) 2.5…35 mm² flexible with ferrule</td>
</tr>
<tr>
<td></td>
<td>Tunnel type terminal (ground) 2.5…25 mm² flexible with ferrule</td>
</tr>
<tr>
<td>Wire stripping length</td>
<td>11 mm</td>
</tr>
<tr>
<td>Tightening torque</td>
<td>2.5 N.m</td>
</tr>
</tbody>
</table>

**Environment**

- **Standards**
  - EN 61643-11:2012
  - IEC 61643-11:2011
- **Product certifications**
  - CE
- **Quality labels**
  - NF
  - KEMA-KEUR
- **IP degree of protection**
  - IP40 on front face: conforming to IEC 60529
  - IP20 built-in: conforming to IEC 60529
- **IK degree of protection**
  - IK05 conforming to IEC 62262
- **Relative humidity**
  - 5…95 %
- **Operating altitude**
  - 2000 m
- **Ambient air temperature for operation**
  - -25…60 °C
- **Ambient air temperature for storage**
  - -40…80 °C

**Offer Sustainability**

- **Sustainable offer status**
  - Green Premium product
- **REACH Regulation**
  - REACH Declaration
- **EU RoHS Directive**
  - Compliant
  - EU RoHS Declaration
- **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
- **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