



## Main

|                           |  |
|---------------------------|--|
| Range of product          | Resi9  |
| Product name              | Resi9 iPRD   |
| Product or component type | Cartridge  |
| Device short name         | iPRD C40r  |
| Range compatibility       | Resi9 Resi9 iPRD iPRD C40r surge arrester with pluggable cartridge |
| Surge arrester type       | Electrical distribution network                                    |

## Complementary

|   |  |
|---|--|
| Surge arrester class type                 | Type 2 + 3   |
| Surge arrester technology                 | MOV + GDT  |
| Product destination                       | Surge protection device iPRD C40r 3P + N   |
| Earthing system                           | TT<br>TN-S   |
| [Ue] rated operational voltage            | 230 V AC 50/60 Hz  |
| Nominal discharge current                 | Common mode: 20 kA (N/PE)<br>Differential mode: 20 kA (L/N)  |
| Maximum discharge current                 | Common mode: 40 kA N/PE<br>Differential mode: 40 kA L/N  |
| [Uc] maximum continuous operating voltage | Common mode: 255 V N/PE<br>Differential mode: 275 V L/N  |
| Maximum [Up] voltage protection level     | Common mode <1.5 kV type 2 + 3 N/PE<br>Common mode <1 kV type 3 N/PE<br>Differential mode <1.5 kV type 2 + 3 L/N<br>Differential mode <1 kV type 3 L/N |
| [Uoc] open circuit voltage                | 6000 V common mode N/PE<br>6000 V differential mode L/N  |
| [Ures] residual voltage                   | Common mode: 300 V<br>Differential mode: 1000 V  |
| [Ut] temporary overvoltage                | 1200 V N/PE 200 ms withstand<br>335 V L/N 5 s withstand<br>440 V L/N 120 min safe failure mode   |
| [Ifi] follow current                      | 100 A  |
| Short-circuit withstand                   | 25 kA  |
| Local signalling                          | Operating state: flag (green)<br>Fault indication: flag (red)  |
| Mounting mode                             | Plug-in  |
| Mounting support                          | Into SPD module  |
| 9 mm pitches                              | 2  |
| Height                                    | 45.3 mm  |
| Width                                     | 18 mm  |
| Depth                                     | 54 mm  |
| Net weight                                | 65.5 g   |
| Colour                                    | White (RAL 9003)   |
| Material                                  | Thermoplastic  |
| Response time                             | < 100 ns   |





## Environment

|                                     |   |
|-------------------------------------|---|
| Standards                           | IEC 61643-11:2011<br>EN 61643-11:2012<br>EN 61643-11:2018/A11 |
| Product certifications              | CE  |
| IP degree of protection             | IP20  |
| Relative humidity                   | 5...95 %  |
| Operating altitude                  | 0...2000 m  |
| Ambient air temperature for storage | -40...85 °C   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 7.6 cm   |
| Package 1 Width              | 5.4 cm   |
| Package 1 Length             | 2.8 cm   |
| Package 1 Weight             | 80 g     |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 24       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 2.235 kg |
| Unit Type of Package 3       | P12      |
| Number of Units in Package 3 | 768      |
| Package 3 Height             | 750 cm   |
| Package 3 Width              | 80 cm    |
| Package 3 Length             | 120 cm   |
| Package 3 Weight             | 83.52 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| RoHS exemption information |  <a href="#">Yes</a>                           |