# Product data sheet
## Characteristics

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



## Main

| | |
|---|---|
| Range of product | IQuick PRD |
| Range | Acti9 |
| Product name | Acti9 iQuick PRD |
| Product or component type | Surge arrester with pluggable cartridge |
| Device short name | iQuick PRD20r |
| Device application | Distribution |
| Standards | EN 61643-11:2012<br>IEC 61643-11:2011 |
| Product certifications | CE |
| Quality labels | NF<br>KEMA-KEUR |
| Poles description | 1P + N |
| Remote signalling | With |
| Signal contacts composition | 1 SD (1 C/O) |
| Surge arrester type | Electrical distribution network |
| Earthing system | TT<br>TN-S |

## Complementary

| | |
|---|---|
| Surge arrester class type | Type 2 |
| Surge arrester technology | MOV + GDT |
| [Ue] rated operational voltage | 230 V AC (+/- 10 %) at 50/60 Hz |
| Nominal discharge current | Common mode: 5 kA (L/PE)<br>Common mode: 5 kA (N/PE)<br>Differential mode: 5 kA (L/N) |
| Maximum discharge current | Common mode: 20 kA L/PE<br>Common mode: 20 kA N/PE<br>Differential mode: 20 kA L/N |
| [Uc] maximum continuous operating voltage | Common mode: 264 V N/PE<br>Differential mode: 350 V L/N |
| Maximum [Up] voltage protection level | Common mode 1.7 kV type 2 N/PE<br>Differential mode 1.7 kV type 2 L/N |
| [Ut] temporary overvoltage | 1200 V N/PE 200 ms withstand<br>415 V L/N 5 s withstand<br>440 V L/N 7200 s safe failure mode |
| Short-circuit withstand | 25 KA |
| Disconnector device type | Integrated circuit breaker - Icu 25 kA |
| Signalling circuit voltage | 2 A/250 V AC 50/60 Hz |
| Mounting mode | Clip-on (DIN rail) |
| 9 mm pitches | 8 |

| | |
|---|---|
| Height | 91.4 Mm |
| Width | 72 Mm |
| Depth | 75.9 Mm |
| Net weight | 435 G |
| Colour | White (RAL 9003) |
| Residual current | 1 MA |
| Connections - terminals | Tunnel type terminal (L/N) 2.5…25 mm² rigid<br>Tunnel type terminal (ground) 2.5…25 mm² rigid<br>Tunnel type terminal (L/N) 2.5…25 mm² flexible<br>Tunnel type terminal (ground) 2.5…25 mm² flexible<br>Tunnel type terminal (L/N) 2.5…35 mm² flexible with ferrule<br>Tunnel type terminal (ground) 2.5…25 mm² flexible with ferrule |
| Wire stripping length | 11 Mm |
| Tightening torque | 2.5 N.M |
| Compatibility code | IQuick PRD20r |

## Environment

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|---|---|
| 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 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9.000 Cm |
| Package 1 Width | 9.000 Cm |
| Package 1 Length | 10.000 Cm |
| Package 1 Weight | 489.000 G |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 27 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 13.433 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 41 |
| Total lifecycle Carbon footprint | 4 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2.81010153197272 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 3 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0935120715437562 |
| Carbon footprint of the distribution phase [A4] | 0.1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0331343813425568 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.0339655138220209 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 1.17196670960698 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 4 |
| Packaging made with recycled cardboard | No |

| | |
|---|---|
| Packaging without single use plastic | Yes |
| SCIP Number | A3e675c6-58d9-493e-807c-a277ebc5d03f |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| OECD PFAS Regulation | Item contains PFAS Chemicals |
| POP Directive | No POPs |
| Halogen-free status | Halogen free plastic parts product |
| PVC free | Yes |
| End of life manual availability | End Of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised