# *Product datasheet*
*Characteristics*

# A9L40101
iPRD40r modular surge arrester - 1P - 350V - with remote transfert


## Main

| | |
|---|---|
| Range | Acti 9 |
| Product name | Acti 9 iPRD |
| Product or component type | Surge arrester with pluggable cartridge |
| Device short name | IPRD40r |
| Device application | Distribution |
| Poles description | 1P |
| Remote signalling | With |
| Signal contacts composition | 1 SD (1 C/O) |
| Surge arrester type | Electrical distribution network |
| Earthing system | TN-C<br>TT |

## Complementary

| | |
|---|---|
| Surge arrester class type | Type 2 |
| Surge arrester technology | MOV |
| [Ue] rated operational voltage | 230 V (+/- 10 %) AC 50/60 Hz<br>400 V (+/- 10 %) AC 50/60 Hz |
| Nominal discharge current | Common mode : 15 kA L/PE<br>Common mode : 15 kA N/PE |
| Maximum discharge current | Common mode : 40 kA L/PE |
| [Uc] maximum continuous operating voltage | Common mode : 350 V L/PE<br>Common mode : 350 V N/PE |
| [Up] voltage protection level | 1.4 kV type 2 common mode L/PE |
| [Ut] temporary overvoltage | Withstand : 337 V L/N for 5 s<br>Safe failure mode : 1200 V N/PE for 200 ms |
| Disconnector device type | Associated circuit breaker iC60H 50 A curve C - Icu 15 kA<br>Associated circuit breaker iC60N 40 A curve C - Icu 10 kA<br>Associated circuit breaker NG125H 63 A curve C - Icu 36 kA<br>Associated circuit breaker NG125L 63 A curve C - Icu 50 kA<br>Associated circuit breaker NG125N 40 A curve C - Icu 25 kA |
| Short-circuit withstand | 50 kA |
| Local signalling | Flag color: white/red |
| Signalling circuit voltage | 0.25 A/250 V AC 50/60 Hz |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| 9 mm pitches | 2 |
| Height | 85 mm |
| Width | 18 mm |
| Depth | 69 mm |
| Product weight | 0.112 kg |
| Colour | White ( RAL 9003 ) |
| Response time | <= 25 ns |
| Residual current | 0.6 mA<br>0.003 mA |
| Connections - terminals | Tunnel type terminal, downside 2.5...35 mm²<br>Tunnel type terminal, upside 2.5...35 mm² |
| Tightening torque | 2.5 N.m |

## Environment

| | |
|---|---|
| standards | EN 61643-11 : 2012<br>IEC 61643-11 : 2011 |
| product certifications | CE |
| quality labels | NF<br>KEMA-KEUR |
| IP degree of protection | On front face : IP40 conforming to IEC 60529<br>Built-in : IP20 conforming to IEC 60529 |
| IK degree of protection | IK03 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...85 °C |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0844 - Schneider Electric declaration of conformity |
| REACh | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |