

# Product datasheet

Specifications



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

A9L40501

### Main

Range of product	Acti9
Product name	Acti9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD40r
Device application	Distribution
Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
Quality labels	NF 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 TN-S

### Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230/400 V AC (+/- 10 %) at 50/60 Hz
[In] nominal discharge current	Common mode: 15 kA (L/PE) Common mode: 15 kA (N/PE) Differential mode: 15 kA (L/N)
[Imax] maximum discharge current	Common mode: 40 kA L/PE Common mode: 40 kA N/PE Differential mode: 40 kA L/N
[Uc] maximum continuous operating voltage	Common mode: 260 V N/PE Differential mode: 350 V L/N
Maximum [Up] voltage protection level	Common mode <1.4 kV type 2 N/PE Differential mode <1.6 kV type 2 L/N
[Ut] temporary overvoltage	337 V L/N 5 s withstand 1200 V N/PE 200 ms safe failure mode 442 V L/PE 5 s withstand 1455 V L/PE 200 ms safe failure mode
Disconnecter device type	Associated circuit breaker iC60H 50 A curve C - Icu 15 kA

Associated circuit breaker IC60N 40 A curve C - Icu 10 kA  
 Associated circuit breaker NG125H 63 A curve C - Icu 36 kA  
 Associated circuit breaker NG125L 63 A curve C - Icu 50 kA  
 Associated circuit breaker NG125N 40 A curve C - Icu 25 kA  
 Associated fuse gG 63 A - Icu 15 kA  
 Associated fuse gG 80 A - Icu 50 kA

<b>Signalling circuit voltage</b>	0.25 A/250 V AC 50/60 Hz
<b>Mounting mode</b>	Clip-on (DIN rail)
<b>9 mm pitches</b>	4
<b>Height</b>	85 mm
<b>Width</b>	36 mm
<b>Depth</b>	69 mm
<b>Product weight</b>	220 g
<b>Colour</b>	White (RAL 9003)
<b>[Ipe] Ground residual current</b>	0.003 mA 0.6 mA
<b>Connections - terminals</b>	Tunnel type terminal (top or bottom) 4...16 mm <sup>2</sup> flexible Tunnel type terminal (top or bottom) 4...16 mm <sup>2</sup> flexible with ferrule Tunnel type terminal (top or bottom) 2.5...25 mm <sup>2</sup> rigid
<b>Wire stripping length</b>	14 mm
<b>Tightening torque</b>	3.5 N.m

## Environment

<b>IK degree of protection</b>	IK03 conforming to IEC 62262
<b>Relative humidity</b>	5...95 %
<b>Operating altitude</b>	2000 m
<b>Ambient air temperature for operation</b>	-25...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.2 cm
<b>Package 1 Width</b>	7.2 cm
<b>Package 1 Length</b>	9.2 cm
<b>Package 1 Weight</b>	248 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	8.5 cm
<b>Package 2 Width</b>	10 cm
<b>Package 2 Length</b>	27.8 cm
<b>Package 2 Weight</b>	1.561 kg
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	54
<b>Package 3 Height</b>	30 cm
<b>Package 3 Width</b>	30 cm
<b>Package 3 Length</b>	40 cm

---

Package 3 Weight 14.552 kg

## Offer Sustainability

---

Sustainable offer status Green Premium product

---

REACH Regulation [REACH Declaration](#)

---

REACH free of SVHC Yes

---

EU RoHS Directive Compliant  
[EU RoHS Declaration](#)

---

Toxic heavy metal free Yes

---

Mercury free Yes

---

China RoHS Regulation [China RoHS declaration](#)  
Pro-active China RoHS declaration (out of China RoHS legal scope)

---

RoHS exemption information Yes

---

Environmental Disclosure [Product Environmental Profile](#)

---

## Contractual warranty

---

Warranty 12 months

Recommended replacement(s)