

# Product data sheet

Specifications



## iPRD40 modular surge arrester - 1P - 350V

A9L40100

### Main

Range of product	Acti 9
Product name	Acti9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	IPRD40
Device application	Distribution
Poles description	1P
Remote signalling	Without
Surge arrester type	Electrical distribution network
Earthing system	TN-C IT 230

### Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV
[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)
[Imax] maximum discharge current	Common mode: 40 kA L/PE
[Uc] maximum continuous operating voltage	Common mode: 350 V L/PE Common mode: 350 V N/PE
Maximum [Up] voltage protection level	Common mode <1.4 kV type 2 L/PE
[Ut] temporary overvoltage	337 V L/N 5 s withstand 1200 V N/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
[Isccr] short-circuit current rating	50 kA
Mounting mode	Clip-on
Mounting support	DIN rail

9 mm pitches	2
Height	85 mm
Width	18 mm
Depth	69 mm
Net weight	0.11 kg
Colour	White (RAL 9003)
Response time	<= 25 ns
[I <sub>pe</sub> ] Ground residual current	0.6 mA 0.003 mA
Connections - terminals	Tunnel type terminal (downside) 2.5...35 mm <sup>2</sup> Tunnel type terminal (upside) 2.5...35 mm <sup>2</sup>
Tightening torque	2.5 N.m

## Environment

Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
Quality labels	KEMA-KEUR NF
IP degree of protection	IP40 on front face: conforming to IEC 60529 IP20 built-in: 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

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	130 g
Package 1 Height	2.3 cm
Package 1 width	7.2 cm
Package 1 Length	9 cm
Unit Type of Package 2	S03
Number of Units in Package 2	108
Package 2 Weight	15.355 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm
Unit Type of Package 3	BB1
Number of Units in Package 3	12
Package 3 Weight	1.652 kg
Package 3 Height	8.2 cm
Package 3 width	10 cm

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Package 3 Length	28 cm
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## Offer Sustainability

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Sustainable offer status	Green Premium product
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REACH Regulation	<a href="#">REACH Declaration</a>
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REACH free of SVHC	Yes
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EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
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Toxic heavy metal free	Yes
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Mercury free	Yes
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RoHS exemption information	<a href="#">Yes</a>
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China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
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Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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Circularity Profile	<a href="#">End of Life Information</a>
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## Contractual warranty

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Warranty	18 months
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