



### Main

Range of product	Acti 9
Product name	Acti 9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD20
Device application	Distribution
Poles description	3P + N
Remote signalling	Without
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: 5 kA (L/PE) Common mode: 5 kA (N/PE) Differential mode: 5 kA (L/N)
[Imax] maximum discharge current	Common mode: 20 kA L/PE Common mode: 20 kA N/PE Differential mode: 20 kA L/N
[Uc] maximum continuous operating voltage	Common mode: 260 V N/PE Common mode: 350 V L/PE Differential mode: 350 V L/N
Maximum [Up] voltage protection level	Differential mode <1.1 kV type 2 L/N Common mode <1.4 kV type 2 N/PE
[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 1453 V L/PE 200 ms safe failure mode
Disconnecter device type	Associated circuit breaker iC60N 20 A curve C - Icu 10 kA

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Associated circuit breaker iC60H 20 A curve C - Icu 15 kA  
 Associated circuit breaker iC60L 20 A curve C - Icu 25 kA  
 Associated circuit breaker NG125H 63 A curve C - Icu 36 kA  
 Associated circuit breaker NG125L 63 A curve C - Icu 50 kA  
 Associated fuse gG 40 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	8
Height	85 mm
Width	72 mm
Depth	69 mm
Net weight	0.414 kg
Colour	White (RAL 9003)
Response time	<= 25 ns
[Ipe] 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	NF KEMA-KEUR
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

Package 1 Weight	0.454 kg
Package 1 Height	0.750 dm
Package 1 width	0.800 dm
Package 1 Length	0.900 dm

## Offer Sustainability

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

## Contractual warranty

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Warranty	18 months
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