



**Main**

Range of product	Acti 9
Product name	Acti 9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	IPRD20r
Device application	Distribution
Poles description	4P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	IT

**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: 5 kA (L/PE) Common mode: 5 kA (N/PE)
[Imax] maximum discharge current	Common mode: 20 kA L/PE Common mode: 20 kA N/PE
[Uc] maximum continuous operating voltage	Common mode: 460 V L/PE
Maximum [Up] voltage protection level	Common mode <1.8 kV type 2 L/PE Common mode <1.8 kV type 2 N/PE
[Ut] temporary overvoltage	337 V L/N 5 s withstand 1455 V L/PE 200 ms safe failure mode 1455 V N/PE 200 ms safe failure mode
Disconnecter device type	Associated circuit breaker iC60N 20 A curve C - Icu 10 kA Associated circuit breaker iC60H 20 A curve C - Icu 15 kA Associated circuit breaker iC60L 20 A curve C - Icu 25 kA Associated fuse gG 40 A - Icu 15 kA Associated fuse gG 80 A - Icu 50 kA
[Isccr] short-circuit current rating : double fault	5 kA 415 V Ph/Ph
Signalling circuit voltage	0.25 A/250 V AC 50/60 Hz
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	8
Height	85 mm
Width	72 mm
Depth	69 mm
Net weight	450 g
Colour	White (RAL 9003)
Response time	<= 25 ns
[Ipe] Ground residual current	0.6 mA
Connections - terminals	Tunnel type terminal (top or bottom) 2.5...25 mm <sup>2</sup> rigid 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
Wire stripping length	14 mm
Tightening torque	3.5 N.m

## Environment

Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
IP degree of protection	IP40 on front face: conforming to IEC 60529 IP20 built-in: conforming to IEC 60529
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	0.492 kg
Package 1 Height	0.700 dm
Package 1 width	0.720 dm
Package 1 Length	0.900 dm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>