

Product data sheet

Specifications



iPRD20r modular surge arrester - 3P + N - 350V - with remote transfert

A9L20601

Main

Range of product	Acti 9
Product name	Acti9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD20r
Device application	Distribution
Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
Quality labels	NF KEMA-KEUR
Poles description	3P + 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: 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 Differential mode: 350 V L/N
Maximum [Up] voltage protection level	Differential mode <1.2 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 1455 V L/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 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

Signalling circuit voltage	0.25 A/250 V AC 50/60 Hz
9 mm pitches	8
Height	85 mm
Width	72 mm
Depth	69 mm
Net weight	450 g
Colour	White (RAL 9003)
[Ipe] Ground residual current	0.003 mA 0.6 mA
Connections - terminals	Tunnel type terminal (top or bottom) 2.5...25 mm ² rigid Tunnel type terminal (top or bottom) 4...16 mm ² flexible Tunnel type terminal (top or bottom) 4...16 mm ² flexible with ferrule
Wire stripping length	14 mm
Tightening torque	3.5 N.m

Environment

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	455.0 g
Package 1 Height	8.0 cm
Package 1 width	8.0 cm
Package 1 Length	9.0 cm
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Weight	13.384 kg
Package 2 Height	30.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm
Unit Type of Package 3	BB1
Number of Units in Package 3	3
Package 3 Weight	1.427 kg
Package 3 Height	9.0 cm
Package 3 width	10.0 cm
Package 3 Length	28.0 cm

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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months
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