Product datasheet
Characteristics

A9L20601
iPRD20r modular surge arrester - 3P + N - 350V - with remote transfert



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	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

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

Disconnector 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
[Isccr] short-circuit current rating	50 kA
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	0.003 mA 0.6 mA
Connections - terminals	Tunnel type terminal (top or bottom) 2.5…25 mm² rigid Tunnel type terminal (top or bottom) 4…16 mm² flexible Tunnel type terminal (top or bottom) 4…16 mm² 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
Quality labels	NF KEMA-KEUR
IP degree of protection	On front face: IP40 conforming to IEC 60529 Built-in: IP20 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

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty	18 months