Product datasheet
Characteristics

A9L20500
iPRD20 modular surge arrester - 1P + N - 350V

Main

Range	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	1P + N
Remote signalling	Without
Surge arrester type	Electrical distribution network
Earthing system	TN-S TT

Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230 V (+/- 10 %) AC 50/60 Hz 400 V (+/- 10 %) AC 50/60 Hz
Nominal discharge current	Differential mode : 5 kA L/N Common mode : 5 kA L/PE Common mode : 5 kA N/PE
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
[Up] voltage protection level	1.1 kV type 2 differential mode L/N 1.4 kV type 2 common mode N/PE
[Ut] temporary overvoltage	Withstand : 337 V L/N for 5 s Withstand : 442 V L/PE for 5 s Safe failure mode : 1200 V N/PE for 200 ms Safe failure mode : 1453 V L/PE for 200 ms
Disconnector device type	Associated circuit breaker iC60H 20 A curve C - Icu 15 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 iC60N 20 A curve C - Icu 10 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
Short-circuit withstand	50 kA
Local signalling	Flag color: white/red
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	69 mm
Product weight	0.211 kg
Colour	White (RAL 9003)
Response time	<= 25 ns
Residual current	0.6 mA 0.003 mA
Connections - terminals	Tunnel type terminal, downside 2.5...35 mm² Tunnel type terminal, upside 2.5...35 mm²
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	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
RoHS (date code: YYWW)	Compliant - since 0844 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available Product environmental
Product end of life instructions	Available End of life manual

Contractual warranty

Warranty period	18 months