Mc MINING GROUPE PICHORI
Quality First

LEADER IN INDUSTRIAL TOOLS & EQUIPMENT

Technical sheet



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

Marque: SCHNEIDER ELECTRIC

Ref Product: wire:SCA9L20500

Ref Mcmining: SCA9L20500

Main specification	
iPRD20 modular surge arrester - 1P + N - 350V	
A9L20500	
Range of product	IPRD
range of product	Acti9
Product name	Acti9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD20
Device application	Distribution
Standards	**EN 61643-11:2012** **IEC 61643-11:2011**
Product certifications	**CE**
Quality labels	**KEMA-KEUR** **NF**
Poles description	1P + N
Remote signalling	Without
Surge arrester type	Electrical distribution network
Earthing system	TT TN-S
Complementary Specifications	
Surge arrester class type	Type 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230 V AC (+/- 10 %) at 50/60 Hz
Nominal discharge current	Common mode: 5 kA (L/PE)
	Common mode: 5 kA (N/PE)
	Differential mode: 5 kA (L/N)
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
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 20 A curve C - Icu 36 kA
	Associated circuit breaker NG125L 20 A curve C - Icu 50 kA
	Associated fuse gG 40 A - Icu 15 kA
	Associated fuse gG 80 A - Icu 50 kA
Mounting mode	Clip-on (DIN rail)
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	69 mm
Net weight	0.211 kg
Colour	White (RAL 9003)
[Ipe] Ground 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
Compatibility code	IPRD20
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