Product data sheet Characteristics

A9L40500

iPRD40 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	IPRD40	
Device application	Distribution	
Poles description	1P + N	
Remote signalling	Without	
Surge arrester type	Electrical distribution network	
Earthing system	TN-S	
	ТТ	

Complementary

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
Nominal discharge current	Common mode: 15 kA (L/PE) Common mode: 15 kA (N/PE) Differential mode: 15 kA (L/N)
Maximum discharge current	Common mode: 40 kA L/PE Common mode: 40 kA N/PE Differential mode: 40 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	Common mode <1.4 kV type 2 N/PE Differential mode <1.4 kV type 2 L/N
[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 iC60H 50 A curve C - Icu 15 kA Associated circuit breaker IC60N 40 A curve C - Icu 10 kA Associated circuit breaker NG125H 63 A curve C - Icu 36 kA Associated circuit breaker NG125L 63 A curve C - Icu 50 kA Associated circuit breaker NG125N 40 A curve C - Icu 25 kA Associated fuse gG 63 A - Icu 15 kA Associated fuse gG 80 A - Icu 50 kA
Short-circuit withstand	50 KA
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	85 Mm

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Width	36 Mm	
Depth	69 Mm	
Net 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) 2.535 mm ² Tunnel type terminal (upside) 2.535 mm ²	
Tightening torque	2.5 N.M	

Environment

Standards	EN 61643-11:2012 IEC 61643-11:2011	
Product certifications	CE	
Quality labels	KEMA-KEUR NF	
IP degree of protection	IP40 on front face: conforming to IEC 60529 IP20 built-in: conforming to IEC 60529	
IK degree of protection	IK03 conforming to IEC 62262	
Relative humidity	595 %	
Operating altitude	2000 m	
Ambient air temperature for operation	-2560 °C	
Ambient air temperature for storage	-4085 °C	

Packing Units

Package 1 Weight	0.238 Kg	
Package 1 Height	0.500 Dm	
Package 1 width	0.800 Dm	
Package 1 Length	0.900 Dm	

Offer Sustainability

Sustainable offer status	Green Premium product	
REACh Regulation	☑ REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Compliant E EU RoHS Declaration	
Toxic heavy metal free	Yes	
Mercury free	Yes	
RoHS exemption information	₫Yes	
China RoHS Regulation	☑ China RoHS Declaration	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	☑ End Of Life Information	

Contractual warranty

Warranty	18 months

Product Life Status: Commercialised

