Product data sheet
Characteristics

A9L08501
iPRD8r modular surge arrester - 1P + N - 350V - with remote transfert



Main

Range of product	IPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	IPRD8r
Poles description	1P + N
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TN-S TT
[Uoc] open circuit voltage	10 kV type 3 differential mode L/N 10 kV type 3 common mode N/PE

Complementary

Surge arrester class type	Type 2 + 3
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	400 V (+/- 10 %) AC 50/60 Hz 230 V (+/- 10 %) AC 50/60 Hz
[In] nominal discharge current	Differential mode : 2.5 kA L/N Common mode : 2.5 kA N/PE Common mode : 2.5 kA L/PE
[Imax] maximum discharge current	Differential mode : 8 kA L/N Common mode : 8 kA N/PE Common mode : 8 kA L/PE
[Uc] maximum continuous operating voltage	Differential mode : 350 V L/N Common mode : 350 V L/PE Common mode : 260 V N/PE
[Up] voltage protection level	1.4 kV type 2 common mode N/PE 1.1 kV type 3 differential mode L/N 1 kV type 2 differential mode L/N 1.1 kV type 3 common mode N/PE
[Ut] temporary overvoltage	Withstand : 442 V L/PE for 5 s Safe failure mode : 1200 V N/PE for 200 ms Withstand : 337 V L/N for 5 s
Disconnector device type	Associated circuit breaker iC60H 10 A Icu 15 kA curve C Associated circuit breaker iC60N 10 A Icu 10 kA curve C Associated circuit breaker iC60L 10 A Icu 25 kA curve C
[Isccr] short-circuit current rating	50 kA
Local signalling	Flag color: white/red
Signalling circuit voltage	AC : 250 V 50/60 Hz
Signalling output current	0.25 A
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	69 mm
Product weight	0.215 kg
Colour	White (RAL 9003)

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Response time	<= 25 ns
[Ipe] residual current	0.6 mA 0.003 mA
Connections - terminals	Tunnel type terminal upside 2.5...35 mm² Tunnel type terminal downside 2.5...35 mm²
Tightening torque	2.5 N.m

Environment

Standards	IEC 61643-11 : 2011 EN 61643-11 : 2012
Product certifications	CE
Quality labels	NF KEMA-KEUR
IP degree of protection	Built-in : IP20 On front face : IP40
IK degree of protection	IK03
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 1304 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available Download End Of Life Manual