chanhvinh.com

Product data sheet
Characteristics

PRD1PN20R
Acti9 surge arrester kit 20KA 1P+N

Local distributor code: 406717162
EAN Code: 5018934943022



Main

Range	Acti9
Product or component type	Surge arrester kit
Device application	Distribution
Provided equipment	Surge arrester iPRD20r 2P Miniature circuit breaker (MCB) iC60H 2P Neutral bar Enclosure cable

Complementary

Poles description	1P + N
Surge arrester type	Electrical distribution network
Surge arrester class type	Type 2
Surge arrester technology	MOV + GDT
Earthing system	TN-C TT
[Ue] rated operational voltage	230/400 V AC (+/- 10 %) at 50 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 L/PE Common mode: 350 V N/PE Differential mode: 350 V L/N
Maximum [Up] voltage protection level	Differential mode <1.4 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 iC60H 20 A curve C - Icu 15 kA
Enclosure type	Mini enclosure for modular device
Enclosure mounting	Surface
Type of front cover	Transparent
Type of rail	DIN
Locking options description	Optional keylock
Enclosure material	Self-extinguishing polymer

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

chanhvinh.com

Height	Acti9 iC60: 85 mm Acti9 iPRD: 85 mm Kaedra enclosure: 267 mm
Width	Acti9 iC60: 36 mm Acti9 iPRD: 36 mm Kaedra enclosure: 200 mm
Depth	Acti9 iC60: 78.5 mm Acti9 iPRD: 69 mm Kaedra enclosure: 112 mm
Colour	Door: transparent green Enclosure: light grey (RAL 7035)

Environment

Product certifications	CE
IP degree of protection	IP65 (weatherproof enclosure) conforming to IEC 60529
IK degree of protection	IK03 surge arrester conforming to IEC 62262 IK03 miniature circuit-breaker conforming to IEC 62262 IK09 weatherproof enclosure conforming to EN 50102
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-35…70 °C
Ambient air temperature for storage	-40…80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.0 Cm
Package 1 Width	22.0 Cm
Package 1 Length	26.5 Cm
Package 1 Weight	1.562 Kg
Unit Type of Package 2	P12
Number of Units in Package 2	64
Package 2 Height	112.0 Cm
Package 2 Width	100.0 Cm
Package 2 Length	120.0 Cm
Package 2 Weight	107.6 Kg

Environmental data

Packaging without single use plastic	No
Packaging made with recycled cardboard	No
SCIP Number	A9614fa2-07f8-47d1-a2fe-e27b32003d8d
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Take-back	No

Contractual warranty

Warranty	18 months

Product Life Status : Commercialised