



### Main

Range of product	Acti 9
Product name	Acti 9 PRD1 Master
Product or component type	Surge arrester with pluggable cartridge
Device short name	PRD1 Master
Device application	Distribution
Poles description	3P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TN-C IT 230

### Complementary

Surge arrester class type	Type 1
Surge arrester technology	Spark gap
[Ue] rated operational voltage	230/400 V AC (+/- 10 %) at 50/60 Hz
[In] nominal discharge current	Common mode: 25 kA (L/PE)
[Iimp] impulse current	Common mode: 25 kA L/PE 12.5 A.s
[Uc] maximum continuous operating voltage	Common mode: 350 V L/PE
Maximum [Up] voltage protection level	Common mode <1.5 kV type 2 L/PE
[Ut] temporary overvoltage	1200 V N/PE 200 ms withstand 415 V L/N 5 s withstand 440 V L/N 7200 ms safe failure mode
[If] follow current	50 kA differential mode L/N 100 A common mode N/PE
Disconnecter device type	Associated fuse gG 315 A standard Associated circuit breaker Compact NSX100F 100 A curve C - Icu 36 kA Associated circuit breaker Compact NSX100N 100 A curve C - Icu 50 kA
[Iscrr] short-circuit current rating	50 kA
Signalling circuit voltage	1 A/250 V AC 1 A/30 V DC
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	12
Height	90 mm
Width	108 mm
Depth	71 mm
Net weight	1175 g
Colour	Anthracite grey (RAL 7016)
Material	PBT (polybutylene terephthalate)
Response time	< 100 ns
Connections - terminals	Tunnel type terminal (top or bottom) 10...35 mm <sup>2</sup> rigid Tunnel type terminal (top or bottom) 10...25 mm <sup>2</sup> flexible
Tightening torque	4.5 N.m

## Environment

Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
Quality labels	KEMA-KEUR
IP degree of protection	IP40 on front face: conforming to IEC 60529 IP20 built-in: conforming to IEC 60529
IK degree of protection	IK05 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...80 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	1.247 kg
Package 1 Height	9.3 cm
Package 1 width	13.9 cm
Package 1 Length	17.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	9.76 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 <a href="#">Yes</a>
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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