

Product data sheet

Specifications



iPRF1 12.5r modular surge arrester - 3P + N - 350V - with remote transfert

A9L16634

⚠ Discontinued on: 02 December 2020

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Main

Range of product	Acti 9
Product name	Acti9 iPRF1
Product or component type	Surge arrester
Device short name	iPRF1 12.5r
Device application	Distribution
Poles description	3P + N
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TT TN-S

Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230/400 V AC (+/- 10 %) at 50 Hz
[In] nominal discharge current	Differential mode: 25 kA (L/N) Common mode: 25 kA (N/PE)
[Imax] maximum discharge current	50 kA
[Iimp] impulse current	Common mode: 50 kA N/PE 25 A.s Differential mode: 12.5 kA L/N 6.25 A.s
[Uc] maximum continuous operating voltage	Differential mode: 350 V L/N Common mode: 255 V N/PE
Maximum [Up] voltage protection level	Common mode <1.5 kV type 1 N/PE Differential mode <1.5 kV type 1 L/N
[If] follow current	0.1 kA common mode N/PE
Disconnecter device type	Associated circuit breaker NG125N 80 A curve C - Icu 15 kA Associated circuit breaker NG125N 80 A curve C - Icu 25 kA Associated circuit breaker NG125H 80 A curve C - Icu 36 kA Associated circuit breaker NG125L 80 A curve C - Icu 50 kA Associated fuse gG 160 A standard Associated circuit breaker C120N 80 A curve C - Icu 10 kA

[Isccr] short-circuit current rating	50 kA
Signalling circuit voltage	1.5 A/250 V AC 50/60 Hz
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	8
Height	84 mm
Width	72 mm
Depth	71 mm
Net weight	590 g
Colour	White (RAL 9003)
Material	PA6
Response time	<= 25 ns
Connections - terminals	Tunnel type terminal10...35 mm² rigid Tunnel type terminal10...25 mm² flexible
Tightening torque	2.5 N.m

Environment

Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE EAC
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	626.0 g
Package 1 Height	8.0 cm
Package 1 width	8.5 cm
Package 1 Length	9.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	24
Package 2 Weight	15.181 kg
Package 2 Height	30.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration

REACH free of SVHC	Yes
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 Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
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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Recommended replacement(s)

A9L16634 is replaced by:

1x



Modular surge arrester, Acti9 iPRD1 12.5, 3 P + N, 350 V, with remote transfert

A9L16482