

Product data sheet

Characteristics

A9L1F625

Surge arrester with pluggable cartridge, Acti9 iPRD1 F25r, 3P+N, 25kA, type 1+2, with fuse, with remote monitoring



Main

Range of product	Acti9
Product name	Acti9 iPRD1
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD1 F25r
Device application	Distribution
Standards	IEC 61643-11:2011 EN 61643-11:2012 EN 61643-11:2018/A11
Product certifications	CE
Quality labels	VDE
Poles description	3P + N
Remote signalling	With
Surge arrester type	Electrical distribution network
Earthing system	TT TN-S
Provided equipment	Fuse (integrated)

Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	GDT
[Ue] rated operational voltage	230/400 V AC at 50/60 Hz
[In] nominal discharge current	Differential mode: 25 kA (L/N) Common mode: 100 kA (N/PE)
[Imax] maximum discharge current	Differential mode: 65 kA L/N Common mode: 150 kA N/PE
[Iimp] impulse current	Differential mode: 25 kA L/N 12.5 A.s Common mode: 100 kA N/PE 50 A.s
[Uc] maximum continuous operating voltage	Differential mode: 275 V L/N Common mode: 305 V N/PE
Maximum [Up] voltage protection level	Differential mode <1.5 kV L/N Common mode <1.5 kV N/PE
[Ut] temporary overvoltage	442 V L/N 120 min withstand 1200 V N/PE 200 ms withstand
[Ifi] follow current	75 kA differential mode L/N 100 A common mode N/PE
[Isccr] short-circuit current rating	75 kA
Local signalling	Operating state: flag (green) Fault indication: flag (red)
Signalling circuit voltage	1 A/250 V AC 1 A/125 V AC 0.5 A/48 V DC 0.5 A/24 V DC 0.5 A/12 V DC
Mounting mode	Clip-on (DIN rail)
9 mm pitches	14
Height	105 mm
Width	126 mm
Depth	86 mm

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Net weight	1.187 kg
Quantity per set	Set of 1
Colour	White (RAL 9003)
Material	Thermoplastic
Response time	< 100 ns L/N < 100 ns N/PE
Cable cross section	0.25...1.5 Mm ² solid cable for remote control 6...35 Mm ² solid stranded cable for power terminals 6...25 Mm ² flexible cable for power terminals 16...35 Mm ² solid stranded cable for earthing terminal 16...25 mm ² flexible cable for earthing terminal
Wire stripping length	Remote control: 10 mm Power terminals: 18 mm Earthing terminal: 18 mm
Tightening torque	Power circuit: 4.5 N.m

Environment

IP degree of protection	IP20 with cartridges fitted and device wired
IK degree of protection	IK05
Relative humidity	5...95 %
Operating altitude	0...2000 m
Ambient air temperature for operation	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.3 cm
Package 1 Width	12.6 cm
Package 1 Length	17 cm
Package 1 Weight	1.402 kg
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	11.657 kg
Unit Type of Package 3	P12
Number of Units in Package 3	128
Package 3 Height	750 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	198.512 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<input checked="" type="checkbox"/> REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <input checked="" type="checkbox"/> EU RoHS Declaration
China RoHS Regulation	<input checked="" type="checkbox"/> China RoHS Declaration
RoHS exemption information	<input checked="" type="checkbox"/> Yes
Environmental Disclosure	<input checked="" type="checkbox"/> Product Environmental Profile
Circularity Profile	No need of specific recycling operations