

Product data sheet

Characteristics

A9L2F640

Surge arrester with pluggable cartridge, Acti9 iPRD F40r, 3P+N, 40kA, type 2+3, with fuse, with remote monitoring



Main

Range of product	Acti9
Product name	Acti9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD F40r
Device application	Distribution
Standards	IEC 61643-11:2011 EN 61643-11:2012 EN 61643-11:2018/A11
Product certifications	CE
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 2 + 3
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230/400 V AC at 50/60 Hz
[In] nominal discharge current	Differential mode: 20 kA (L/N) Common mode: 40 kA (N/PE)
[Imax] maximum discharge current	Differential mode: 40 kA L/N Common mode: 65 kA N/PE
[Uoc] open circuit voltage	6000 V differential mode L/N 6000 V common mode N/PE
[Uc] maximum continuous operating voltage	Differential mode: 300 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	337 V L/N 5 s withstand 1200 V N/PE 200 ms withstand 442 V L/N 120 min safe failure mode
[Ifi] follow current	100 A common mode N/PE
[Isccr] short-circuit current rating	25 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	8
Height	105 mm
Width	72 mm
Depth	70 mm
Net weight	478 g

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Quantity per set	Set of 1
Colour	White (RAL 9003)
Material	Thermoplastic
Response time	< 25 ns L/N < 100 ns N/PE
Cable cross section	0.25...1.5 Mm ² solid cable for remote control 2.5...35 Mm ² solid stranded cable for power terminals 2.5...25 Mm ² flexible cable for power terminals 6...35 Mm ² solid stranded cable for earthing terminal 6...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...4000 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	13.4 cm
Package 1 Width	9.9 cm
Package 1 Length	11.8 cm
Package 1 Weight	567 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	7.245 kg
Unit Type of Package 3	P12
Number of Units in Package 3	192
Package 3 Height	750 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	127.92 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations