

# A9L2F340

Surge arrester with pluggable cartridge, Acti9 iPRD F40r, 3P, 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
Remote signalling	With
Surge arrester type	Electrical distribution network
Earthing system	TN-C
Provided equipment	Fuse (integrated)

## Complementary

Surge arrester class type	Type 2 + 3
Surge arrester technology	MOV
[Ue] rated operational voltage	400 V AC at 50/60 Hz
[In] nominal discharge current	20 kA
[Imax] maximum discharge current	40 kA
[Uoc] open circuit voltage	6000 V
[Uc] maximum continuous operating voltage	300 V
Maximum [Up] voltage protection level	<1.5 kV
[Ut] temporary overvoltage	442 V L/N 120 min safe failure mode 337 V N/PE 5 s withstand
[Iscrr] 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	6
Height	105 mm
Width	54 mm
Depth	70 mm
Net weight	407 g
Quantity per set	Set of 1
Colour	White (RAL 9003)
Material	Thermoplastic
Response time	< 25 ns

Cable cross section	0.25...1.5 Mm <sup>2</sup> solid cable for remote control 2.5...35 Mm <sup>2</sup> solid stranded cable for power terminals 2.5...25 Mm <sup>2</sup> flexible cable for power terminals 6...35 Mm <sup>2</sup> solid stranded cable for earthing terminal 6...25 mm <sup>2</sup> 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	13.3 cm
Package 1 Width	7.8 cm
Package 1 Length	11.7 cm
Package 1 Weight	482 g
Unit Type of Package 2	S03
Number of Units in Package 2	16
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.153 kg
Unit Type of Package 3	P12
Number of Units in Package 3	256
Package 3 Height	750 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	142.448 kg

## Offer Sustainability

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