

Surge arrester with pluggable cartridge, Acti9 iPRD F40r, 1P+N, 20kA, type 2+3, with fuse, with remote monitoring

A9L8F451

EAN Code: 3606487695554

## 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 BS EN 61643-11:2012+A11:2018	
Quality labels	UKCA	
Poles description	1P + N	
Remote signalling	With	
Surge arrester type	Electrical distribution network	
Earthing system	TT TN-S TN-C-S	
Condition of use	Fuse (integrated)	

# Complementary

Surge arrester class type	Type 2 + 3	
Surge arrester technology	MOV + GDT	
[Ue] rated operational voltage	230/240 V AC at 50/60 Hz	
Nominal discharge current	Differential mode: 20 kA (L/N) Common mode: 40 kA (N/PE)	
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: 340 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	
Short-circuit withstand	25 kA	

Local signalling	cal 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 0.01 A/5 V DC	
Mounting mode	Plug-on (chassis)	
9 mm pitches	2	
Height	129 mm	
Width	18 mm	
Depth	85 mm	
Net weight	142.4 g	
Colour	White (RAL 9003)	
Material	Thermoplastic	
Response time	< 25 ns L/N < 100 ns N/PE	
Cable cross section	0.141.5 mm² solid cable for remote control 625 mm² solid stranded cable for power terminals 616 mm² flexible cable for power terminals 616 mm² solid stranded cable for earthing terminal 610 mm² flexible cable for earthing terminal	
Wire stripping length	Remote control: 10 mm Power terminals: 14 mm Earthing terminal: 14 mm	
Tightening torque	Remote control: 0.20.25 N.m Power terminals: 3.5 N.m Earthing terminal: 2 N.m	
Targeted country	United Kingdom	
Environment		
IP degree of protection	IP20 with device wired	
IK degree of protection	IK05	
Relative humidity	595 %	
Operating altitude	02000 m	
Ambient air temperature for operation	-4085 °C	
Packing Units		
Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	19.8 cm	
Package 1 Width	16.1 cm	
Package 1 Length	3.4 cm	
Package 1 Weight	227.7 g	
Unit Type of Package 2	S03	
Number of Units in Package 2	20	

30 cm

Package 2 Height

Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4 995 kg

# **Contractual warranty**

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Total lifecycle Carbon footprint	2
Environmental Disclosure	Product Environmental Profile

### **Use Better**

EU RoHS Directive	Compliant
SCIP Number	A9614fa2-07f8-47d1-a2fe-e27b32003d8d
REACh Regulation	REACh Declaration

#### **Use Again**

○ Repack and remanufacture	
Recyclability potential, in %	51
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins