

Product datasheet

Specifications



Surge arrester with pluggable cartridge, Acti9 load centre KQ II A iPRD iKQ, 1P+N, 20kA, type 2+3, with fuse, without remote monitoring

SEL8F450

EAN Code: 3606487695561

Main

range of product	Acti9
Product name	Load centre KQ II A
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD iKQ
Device application	Distribution
Standards	IEC 61643-11:2011 BS EN 61643-11:2012+A11:2018
Quality labels	UKCA
Poles description	1P + N
Remote signalling	Without
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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 0.01 A/5 V DC
Mounting mode	Plug-on (chassis)
9 mm pitches	2
Height	136 mm
Width	18 mm
Depth	83 mm
Product weight	148.3 g
Colour	White (RAL 9003)
Material	Thermoplastic
Response time	< 25 ns L/N < 100 ns N/PE
Cable cross section	0.14...1.5 mm² solid cable for remote control 6...16 mm² solid stranded cable for neutral/earthing terminal 6...10 mm² flexible cable for neutral/earthing terminal
Wire stripping length	Remote control: 10 mm Neutral/earthing terminal: 14 mm
Tightening torque	Remote control: 0.2...0.25 N.m Neutral/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	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	3.300 cm
Package 1 Width	16.000 cm
Package 1 Length	19.700 cm
Package 1 Weight	236.500 g

Logistical informations

Country of origin	SI
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Contractual warranty

Warranty (in months)	18
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Environmental Data

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 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.3 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	A9614fa2-07f8-47d1-a2fe-e27b32003d8d
EU RoHS Directive	Compliant
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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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

Technical Illustration

Assembly's dimensions

