

Characteristics

Cartridge, Resi9 iPRD C40r, for surge arrester
iPRD C40r 3P+N, type 2+3, L-N protection
mode, without fuse



Range of product	Resi9
Product name	Resi9 iPRD
Product or component type	Cartridge
Device short name	iPRD C40r
Range compatibility	Resi9 Resi9 iPRD iPRD C40r surge arrester with pluggable cartridge
Surge arrester type	Electrical distribution network

Surge arrester class type	Type 2 + 3
Surge arrester technology	MOV
Product destination	Surge protection device iPRD C40r 3P + N
Earthing system	TT TN-S
[Ue] rated operational voltage	230 V AC 50/60 Hz
Nominal discharge current	Differential mode: 20 kA (L/N)
Maximum discharge current	Differential mode: 40 kA L/N
[Uc] maximum continuous operating voltage	Differential mode: 275 V L/N
Maximum [Up] voltage protection level	Differential mode <1.5 kV type 2 + 3 L/N Differential mode <1 kV type 3 L/N
[Uoc] open circuit voltage	6000 V differential mode L/N
[Ures] residual voltage	1000 V
[Ut] temporary overvoltage	335 V L/N 5 s withstand 440 V L/N 120 min safe failure mode
Short-circuit withstand	25 kA
Local signalling	Operating state: flag (green) Fault indication: flag (red)
Mounting mode	Plug-in
Mounting support	Into SPD module
9 mm pitches	2
Height	45.3 mm
Width	18 mm
Depth	54 mm
Net weight	78.5 g
Colour	White (RAL 9003)
Material	Thermoplastic
Response time	< 25 ns





Environment

Standards	IEC 61643-11:2011 EN 61643-11:2012 EN 61643-11:2018/A11
Product certifications	CE
IP degree of protection	IP20
Relative humidity	5...95 %
Operating altitude	0...2000 m
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.6 cm
Package 1 Width	5.4 cm
Package 1 Length	2.8 cm
Package 1 Weight	88 g
Unit Type of Package 2	S02
Number of Units in Package 2	24
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.427 kg
Unit Type of Package 3	P12
Number of Units in Package 3	768
Package 3 Height	750 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	89.664 kg

Offer Sustainability

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