Product data sheet
Characteristics

A9FDB620

Acti9 - iDPN N Arc - 1P+N 20A C 6000A - Arc fault detection circuit breaker

Green Premium™ Product

Main

Range	Acti 9
Product name	Acti 9 iDPN N Arc
Product or component type	Arc fault detection circuit breaker
Product specific application	Fire prevention by arc detection
Standards	IEC 60898-1 EN/IEC 62606
Device short name	IDPN N Arc
Poles description	1P + N
[In] rated current	20 A at 30 °C
Curve code	C
Breaking capacity	6000 A Icn at 230 V AC 50 Hz conforming to EN/IEC 60898-1
Network type	AC
Neutral position	Left
Trip unit technology	Thermal-magnetic

Complementary

Number of protected poles	1
Network frequency	50 Hz
[Ue] rated operational voltage	230 V AC 50 Hz conforming to IEC 62606 230 V AC 50 Hz conforming to EN/IEC 60898-1
Device location in system	Outgoer
Magnetic tripping limit	5...10 x In
Limitation class	3 conforming to IEC 60898-1
Threshold tripping voltage	400 V for 200 ms
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60898-1
[Ui] rated insulation voltage	400 V AC
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 230 V AC 50 Hz
Overvoltage category	III
Cable entry	Top
Connections - terminals	Tunnel type terminal for 1 cable(s) 10 mm² flexible Tunnel type terminal for 2 cable(s) 2.5 mm² flexible Tunnel type terminal for 1 cable(s) 16 mm² rigid Tunnel type terminal for 2 cable(s) 2.5 mm² rigid
Wire stripping length	14 mm
Tightening torque	2 N.m

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Comb busbar and distribution block compatibility	ProDis Librio
9 mm pitches	4
Height	81 mm
Width	36 mm
Depth	72 mm
Product weight	190 g

Environment

Heat dissipation	5.42 W at 230 V - 20 A
IP degree of protection	IP20
Pollution degree	2
Tropicalisation	Severity B conforming to IEC 60068-2-30 for 28 d
Operating altitude	2000 m
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…85 °C
Product certifications	RCM

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	139 g
Package 1 Height	8.8 cm
Package 1 width	4 cm
Package 1 Length	10 cm
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Weight	1.567 kg
Package 2 Height	15 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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