

Product datasheet

Specifications



Acti9 iID - Residual Current Circuit Breaker - 4P - 40A - 30mA - B type

A9Z51440

Main

Range	Acti9
Product name	Acti9 iID
Product or component type	Residual current circuit breaker (RCCB)
Device short name	iID
Device application	Electrical Vehicle charger
Poles description	4P
Neutral position	Left
[In] rated current	40 A
Network type	AC
Earth-leakage sensitivity	30 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type B-EV (Electric Vehicle)
Quality labels	VDE NF IMQ KEMA

Complementary

Device location in system	Outgoer Group incomer
Network frequency	50 Hz
[Ue] rated operational voltage	400 V AC 50 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	Idm 1500 A Im 1500 A
Rated conditional short-circuit current	10 kA
[Ui] rated insulation voltage	500 V
[Uimp] rated impulse withstand voltage	6 kV
Heat dissipation	6 W
Contact position indicator	Yes

Control type	Toggle
Local signalling	Trip indicator ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	8
Height	88 mm
Width	72 mm
Depth	79 mm
Product weight	415 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	15000 cycles
Locking options description	Padlocking device
Connections - terminals	Double terminal front 1...35 mm ² rigid Double terminal front 1...25 mm ² flexible Double terminal front 1...25 mm ² flexible with ferrule Double terminal back 1...25 mm ² rigid Double terminal back 1...16 mm ² flexible Double terminal back 1...16 mm ² flexible with ferrule
Wire stripping length	14 mm for top or bottom connection
Tightening torque	3.5 N.m top or bottom

Environment

Standards	IEC 61008-2-1 IEC/EN 62423 EN 61008-2-1
Product certifications	CCC KC
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
IK degree of protection	IK05
Pollution degree	3
Overvoltage category	IV
Electromagnetic compatibility	8/20 µs impulse withstand, 3 kA conforming to EN/IEC 61008-1
Operating altitude	0...2000 m
Ambient air temperature for operation	-25...60 °C
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	7.5 cm
Package 1 Width	8.5 cm
Package 1 Length	10.0 cm
Package 1 Weight	448.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	27

Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	12.55 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
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

Recommended replacement(s)