

# 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

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

## Environment

<b>Standards</b>	IEC 61008-2-1 IEC/EN 62423 EN 61008-2-1
<b>Product certifications</b>	CCC KC
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
<b>IK degree of protection</b>	IK05
<b>Pollution degree</b>	3
<b>Overvoltage category</b>	IV
<b>Electromagnetic compatibility</b>	8/20 µs impulse withstand, 3 kA conforming to EN/IEC 61008-1
<b>Operating altitude</b>	0...2000 m
<b>Ambient air temperature for operation</b>	-25...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	7.5 cm
<b>Package 1 Width</b>	8.5 cm
<b>Package 1 Length</b>	10.0 cm
<b>Package 1 Weight</b>	448.0 g
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	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	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Recommended replacement(s)