

# Product datasheet

Specifications



## Acti9 iID - Residual Current Circuit Breaker - 4P - 80A - 300mA - B-SI type

Local distributor code: 407193837 A9Z64480

### Main

Range	Acti9
Product name	Acti9 iID
Product or component type	Residual current circuit breaker (RCCB)
Device short name	iID
Device application	Photovoltaic 3P speed drive Lift
Poles description	4P
Neutral position	Left
[In] rated current	80 A
Network type	AC
Earth-leakage sensitivity	300 mA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type B-SI (Super Immunised)
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
Rated breaking and making capacity	I <sub>dm</sub> 1500 A I <sub>m</sub> 1500 A
Rated conditional short-circuit current	10 kA
[Ui] rated insulation voltage	500 V
[Uimp] rated impulse withstand voltage	6 kV
Contact position indicator	Yes
Control type	Toggle

<b>Local signalling</b>	ON/OFF indication LED (green) for presence of voltage Trip indicator
<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>	10000 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 Weight</b>	426 g
<b>Package 1 Height</b>	7.5 cm
<b>Package 1 width</b>	8.5 cm
<b>Package 1 Length</b>	10 cm
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	27

Package 2 Weight	11.972 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## 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
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
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

## Contractual warranty

Warranty	18 months
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