

# Product datasheet

Specifications



## Residual current circuit breaker (RCCB), Acti9 iID K, 2P, 40A, AC type, 30mA

A9R50240

### Main

Range	Acti9
Product name	Acti9 iID K
Product or component type	Residual current circuit breaker (RCCB)
Device short name	iID K
Poles description	2P
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 AC
Quality labels	VDE

### Complementary

Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	220...240 V AC 50/60 Hz
Residual current tripping technology	Voltage independent
Rated breaking and making capacity	Idm 500 A Im 500 A
Rated conditional short-circuit current	GL63: Inc 4.5 kA K60: Inc 6 kA C60: Inc 6 kA
[Ui] rated insulation voltage	440 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Surge current	250 A
Contact position indicator	No
Control type	Toggle

<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>9 mm pitches</b>	4
<b>Height</b>	85 mm
<b>Width</b>	36 mm
<b>Depth</b>	69 mm
<b>Net weight</b>	0.21 kg
<b>Colour</b>	White
<b>Mechanical durability</b>	5000 cycles
<b>Electrical durability</b>	AC-1: 2000 cycles
<b>Locking options description</b>	Padlocking device
<b>Connections - terminals</b>	Tunnel type terminals top or bottom 1...35 mm <sup>2</sup> rigid Tunnel type terminals top or bottom 1...25 mm <sup>2</sup> flexible Tunnel type terminals top or bottom 1...25 mm <sup>2</sup> flexible with ferrule
<b>Wire stripping length</b>	16 mm for top or bottom connection
<b>Tightening torque</b>	3.5 N.m top or bottom

## Environment

<b>Standards</b>	EN/IEC 61008-1 EN/IEC 61008-2-1
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
<b>Pollution degree</b>	2
<b>Electromagnetic compatibility</b>	8/20 μs impulse withstand, 200 A conforming to EN/IEC 61008-1
<b>Ambient air temperature for operation</b>	-5...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>	4 cm
<b>Package 1 Width</b>	8.5 cm
<b>Package 1 Length</b>	10 cm
<b>Package 1 Weight</b>	208 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	9.5 cm
<b>Package 2 Width</b>	10.5 cm
<b>Package 2 Length</b>	25.5 cm
<b>Package 2 Weight</b>	1.343 kg
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	54
<b>Package 3 Height</b>	30 cm
<b>Package 3 Width</b>	30 cm

Package 3 Length	40 cm
Package 3 Weight	12.358 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>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free plastic parts & cables product

## Contractual warranty

Warranty	18 months
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