Product data sheet
Characteristics

A9R52280
Acti9 iID - RCCB - 2P - 80A - 30mA - type AC



Main

Range	Acti9
Product name	Acti9 iID
Product or component type	Residual current circuit breaker (RCCB)
Device short name	iID
Poles description	2P
Neutral position	Left
[In] rated current	80 A
Network type	AC
Earth-leakage sensitivity	30 MA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC

Complementary

Device location in system	Outgoer
Network frequency	50 Hz
[Ue] rated operational voltage	230...240 V AC 50/60 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 AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 KV
Contact position indicator	Yes
Control type	Toggle
Mounting mode	Clip-on
Mounting support	35 mm DIN rail
9 mm pitches	4
Height	85 Mm
Width	36 Mm
Depth	69 Mm
Net weight	210 G
Colour	White (RAL 9003)
Mechanical durability	20000 Cycles
Electrical durability	10000 Cycles
Locking options description	Padlocking device
Connections - terminals	Single terminal top or bottom 1…35 mm² rigid Single terminal top or bottom 1…25 mm² flexible Single terminal top or bottom 1…25 mm² flexible with ferrule

Wire stripping length	14 Mm for top or bottom connection
Tightening torque	3.5 N.M top or bottom

Environment

Standards	GB 16916.21 EN/IEC 61008-1 EN/IEC 61008-2-1
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3
Electromagnetic compatibility	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61008-1
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	8.2 Cm
Package 1 Width	4.0 Cm
Package 1 Length	10.0 Cm
Package 1 Weight	216 G
Unit Type of Package 2	S03
Number of Units in Package 2	54
Package 2 Height	30.0 Cm
Package 2 Width	30.0 Cm
Package 2 Length	40.0 Cm
Package 2 Weight	12.105 Kg
Unit Type of Package 3	P12
Number of Units in Package 3	432
Package 3 Height	44.4 Cm
Package 3 Width	80 Cm
Package 3 Length	120 Cm
Package 3 Weight	108.840 Kg

Offer Sustainability

Recyclability potential, in %	53
Total lifecycle Carbon footprint	8 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.6552097736015057
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.04209122182881932
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.018670757817474914
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	5.42873548720774
Carbon footprint of the use phase [B2, B3, B4, B6]	5 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.48625503266942854
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	8
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	6cb0708f-a1ac-4da2-b46f-e46ba9165efa
REACh Regulation	Reference contains Substances of Very High Concern above the threshold

EU RoHS Directive	Compliant By Exemption
Halogen-free status	Halogen free plastic parts product
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised