Product data sheet
Characteristics

EZ9D34616
Residual current breaker with overcurrent protection (RCBO), Easy9, 1P+N, 16A, C curve, 4500A, AC type, 30mA



Main

Range	Easy9
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	Easy9 RCBO
Poles description	1P + N
Neutral position	Left
[In] rated current	16 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Earth-leakage sensitivity	30 MA
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
Breaking capacity	4500 A Icn at 230 V AC 50 Hz conforming to IEC 61009-1

Complementary

Device application	Distribution
Device location in system	Outgoer
[Ue] rated operational voltage	230 V AC 50 Hz
Magnetic tripping limit	5...10 x In
[Ui] rated insulation voltage	500 V
[Uimp] rated impulse withstand voltage	4 KV
Surge current	250 A
Contact position indicator	Yes
Control type	Toggle
Mounting support	DIN rail
9 mm pitches	4
Height	81 Mm
Width	36 Mm
Depth	66.5 Mm
Colour	Grey (RAL 7035)
Mechanical durability	8000 Cycles
Electrical durability	2000 Cycles 230 AC 50 Hz
Connections - terminals	Tunnel type terminal (top or bottom) 1…25 mm² rigid Tunnel type terminal (top or bottom) 1…16 mm² flexible
Tightening torque	2 N.M top or bottom
Earth-leakage protection	Integrated

Environment

Standards	IEC 61009-1
Product certifications	EAC[RETURN]GOST
Tropicalisation	2
Relative humidity	95 %
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.400 Cm
Package 1 Width	8.000 Cm
Package 1 Length	9.000 Cm
Package 1 Weight	204.000 G
Unit Type of Package 2	S03
Number of Units in Package 2	72
Package 2 Height	30.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	15.316 Kg

Offer Sustainability

Recyclability potential, in %	56
Total lifecycle Carbon footprint	8 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	1.628956404329893
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.00127871696172801
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	6.045326361244823
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	6 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.3693478580941782
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	8
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	0dbcf8b1-4732-4e36-88bc-462a078c2d4c
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
End of life manual availability	No need of specific recycling operations
Take-back	No

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised