Product data sheet
Characteristics

EZ9D33620
Easy9 RCBO - 1P + N - 20A - C curve - AC type - 4500 A - 30 mA



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	20 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 50/60 Hz

Complementary

Device application	Distribution
Device location in system	Outgoer
Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC
Magnetic tripping limit	5...10 x In
Limitation class	3
[Ui] rated insulation voltage	400 V
[Uimp] rated impulse withstand voltage	4 KV
Contact position indicator	Yes
Control type	Toggle
Mounting support	DIN rail
9 mm pitches	2
Height	93 Mm
Width	18 Mm
Depth	69.5 Mm
Net weight	0.136 Kg
Mechanical durability	10000 Cycles
Electrical durability	4000 Cycles
Connections - terminals	Tunnel type terminal (upstream) 1…16 mm² rigid or flexible Tunnel type terminal (downstream) 1…10 mm² rigid or flexible
Tightening torque	2 N.M top or bottom
Earth-leakage protection	Integrated

Environment

Standards	IEC 61009-1
IP degree of protection	IP20 IP40 (modular enclosure)
Tropicalisation	2 conforming to IEC 60068-2-30
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25…55 °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	9.65 Cm
Package 1 Width	1.8 Cm
Package 1 Length	7.55 Cm
Package 1 Weight	156 G
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	10.4 Cm
Package 2 Width	8.0 Cm
Package 2 Length	24.4 Cm
Package 2 Weight	1.9 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	12.0 Kg

Offer Sustainability

Recyclability potential, in %	52
Total lifecycle Carbon footprint	3 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.3315781491291343
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
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.8206636935913969
Carbon footprint of the use phase [B2, B3, B4, B6]	0.8 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.19504534981386465
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	3
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
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
PVC free	Yes
Silicone-free	Yes
End of life manual availability	No need of specific recycling operations

Contractual warranty

Warranty (in months)	18

Product Life Status :	Commercialised