Product data sheet
Characteristics

EZ9F34420
Miniature circuit breaker (MCB), Easy9, 4P, 20A, C curve, 4500A (IEC/EN 60898-1)



Main

Range	Easy9
Device application	Distribution
Product or component type	Miniature circuit-breaker
Device short name	Easy9 MCB
Poles description	4P
Number of protected poles	4
[In] rated current	20 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	4500 A Icn at 230 V AC 50/60 Hz conforming to IEC 60898-1 4500 A Icn at 400 V AC 50/60 Hz conforming to IEC 60898-1
Suitability for isolation	Yes conforming to IEC 60898-1

Complementary

Network frequency	50 Hz
[Ue] rated operational voltage	400 V AC 50 Hz
Magnetic tripping limit	5...10 x In
[Ics] rated service breaking capacity	4.5 KA 100 % x Icn at 400 V AC 50/60 Hz conforming to IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IEC 60898-1
[Uimp] rated impulse withstand voltage	4 KV conforming to IEC 60898-1
Contact position indicator	Yes
Control type	Toggle
Local signalling	Without
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	8
Height	81 Mm
Width	72 Mm
Depth	66.5 Mm
Colour	Grey (RAL 7035)
Mechanical durability	10000 Cycles
Electrical durability	4000 Cycles
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

Environment

Standards	IEC 60898-1
Product certifications	GOST-R
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	2
Tropicalisation	2
Relative humidity	95 % at -25…60 °C
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	7.5 Cm
Package 1 Width	7.1 Cm
Package 1 Length	8.4 Cm
Package 1 Weight	446 G
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.8 Cm
Package 2 Width	8.9 Cm
Package 2 Length	22.7 Cm
Package 2 Weight	1.34 Kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30 Cm
Package 3 Width	30 Cm
Package 3 Length	40 Cm
Package 3 Weight	16.567 Kg

Offer Sustainability

Recyclability potential, in %	59
Total lifecycle Carbon footprint	5 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2.5023008710801395
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.22026883275261325
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.06659308362369339
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1.4932499581881467
Carbon footprint of the use phase [B2, B3, B4, B6]	1 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	1.1340754355400697
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	5
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	0dbcf8b1-4732-4e36-88bc-462a078c2d4c
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant By Exemption
Halogen-free status	Product contains halogen above thresholds

PVC free	No
Silicone-free	No
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