Product datasheet

Specifications



Miniature Circuit Breaker(MCB), Easy9 Pro, 1P, 20A, B curve, 6000A(IEC/EN 60898-1)

EZ9F27120

Main

Range	Easy9 Pro
Device application	Distribution
Product or component type	Miniature circuit-breaker
Device short name	Easy9 Pro MCB
Poles description	1P
Number of protected poles	1
[In] rated current	20 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	B
Suitability for isolation	Yes conforming to IEC/EN 60898-1

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	240 V AC 50/60 Hz
Magnetic tripping limit	3...5 x In conforming to IEC/EN 60898-1
Breaking capacity	6000 A Icu at 240 V AC 50/60 Hz conforming to IEC/EN 60898-1
[Ics] rated service breaking capacity	6000 A 100 % conforming to IEC/EN 60898-1 - 240 V AC 50/60 Hz
Limitation class	3
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to IEC/EN 60898-1
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC/EN 60898-1
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top: pin type Bottom: pin/fork type
9 mm pitches	2
Height	85 mm
Width	18 mm
Depth	77 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product weight	106 g
Colour	Grey (RAL 7035)
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Yes
Connections - terminals	Tunnel type terminals (bottom) 1…16 mm² flexible Tunnel type terminals (bottom) 1…25 mm² rigid
Tightening torque	2 N.m

Environment

Standards	IEC/EN 60898-1
Product certifications	TSE CE
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC/EN 60947-2
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30…70 °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	7.500 cm
Package 1 Width	1.800 cm
Package 1 Length	8.500 cm
Package 1 Weight	104.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	144
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	16.662 kg
Unit Type of Package 3	P06
Number of Units in Package 3	1152
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	133.201 kg

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**25 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.6 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**24 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**No**
Silicone-free	**No**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**57**
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 and never end up in rubbish bins**

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

