Product datasheet

Specifications



Miniature circuit breaker (MCB), Resi9, 1P, 20A, C curve, 6000A (IEC/EN 60898-1)

R9F12120

Main

Range	Resi9
Product name	Resi9 MCB
Product or component type	Miniature circuit-breaker
Device application	Protection
Poles description	1P
Number of protected poles	1
[In] rated current	20 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1
Standards	EN/IEC 60898-1
Quality labels	EAC UA TR

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In AC
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	440 V AC
[Uimp] rated impulse withstand voltage	4 kV
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	2
Height	81 mm
Width	18 mm
Depth	72 mm
Embedding depth	44 mm
Net weight	120 g

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Colour	White (RAL 9003)
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Tunnel type terminals (top or bottom) - 1...25 mm² - rigid Tunnel type terminals (top or bottom) - 1...16 mm² - flexible with ferrule Tunnel type terminals (top or bottom) - 1...16 mm² - flexible
Wire stripping length	14 mm
Tightening torque	2 N.m
Earth-leakage protection	Without

Environment

IP degree of protection	IP20
Pollution degree	2 conforming to EN/IEC 60898-1
Overvoltage category	III
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…60 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 cm
Package 1 Width	7.5 cm
Package 1 Length	8.5 cm
Package 1 Weight	93 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8 cm
Package 2 Width	9 cm
Package 2 Length	22.5 cm
Package 2 Weight	1.161 kg
Unit Type of Package 3	S03
Number of Units in Package 3	144
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	14.337 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	**18 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.7 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]	**17 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0 kg CO2 eq.**
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
SCIP Number	**26ff71d1-98cf-4280-8725-455b9a6b2fb9**
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
OECD PFAS Regulation	Item contains PFAS Chemicals
POP Directive	No POPs
Halogen-free status	**Halogen free plastic parts product**
PVC free	**Yes**

Use Again

Repack and remanufacture

Recyclability potential, in %	**47**
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**