Product datasheet

Specifications



Acti9 iC60N 1P 20A D Miniature Circuit Breaker

A9F45120

EAN Code: 3606480513701

Main

Range	Acti9
Product name	Disbo iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
Poles description	1P
Number of protected poles	1
[In] rated current	20 A
Network type	AC/DC
Trip unit technology	Thermal-magnetic
Curve code	D
Product compatibility	Vigi iC60 single terminal add-on residual current device 25/40/63 A Quick Vigi iC60 single terminal add-on residual current device 25/40 A
Breaking capacity	36 kA Icu at 10...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 12...60 V DC conforming to EN/IEC 60947-2 10 kA Icu at 60...72 V DC conforming to EN/IEC 60947-2 6000 A Icn at 240 V AC 50/60 Hz conforming to EN/IEC 60898-1
Utilisation category	Category A conforming to EN/IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	12...60 V AC 50/60 Hz 100...133 V AC 50/60 Hz 220...240 V AC 50/60 Hz 12...60 V DC 60...72 V DC
Magnetic tripping limit	12 x In +/- 20 %
[Ics] rated service breaking capacity	27 kA 75 % conforming to EN/IEC 60947-2 - 12...60 V AC 50/60 Hz 15 kA 75 % conforming to EN/IEC 60947-2 - 100...133 V AC 50/60 Hz 7.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 15 kA 100 % conforming to EN/IEC 60947-2 - 12...60 V DC 10 kA 100 % conforming to EN/IEC 60947-2 - 60...72 V DC
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle

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

Local signalling	Trip indicator
Mounting mode	Clip-on
Mounting support	Rail
9 mm pitches	2
Height	85 mm
Width	18 mm
Depth	78.5 mm
Net weight	0.125 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Single terminal (top or bottom) 1…25 mm² rigid Single terminal (top or bottom) 1…16 mm² flexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Separate block

Environment

Standards	EN/IEC 60898-1 EN/IEC 60947-2
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-35…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	1.8 cm
Package 1 Width	7.5 cm
Package 1 Length	9.0 cm
Package 1 Weight	113.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.5 cm
Package 2 Width	9.8 cm
Package 2 Length	22.0 cm
Package 2 Weight	1.42 kg

Unit Type of Package 3	S03
Number of Units in Package 3	132
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.137 kg

Logistical informations

Country of origin	BG

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	**14 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**0.8 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]	**13 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**
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**
Ship Recycling Directive	**Compliant**
POP Directive	**No POPs**
Halogen-free status	**Halogen free plastic parts product**
PVC free	**Yes**
Silicone-free	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**54**
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**