Product datasheet

Specifications



iC65N circuit breakers, C curve, 16A, 400V, 2P, 6kA, 4 mod width

A9F18216

Discontinued on: 22 Feb 2025

EAN Code: 3606485455877

Discontinued

Main

Range of product	Acti9
Range	Acti9
Product name	IC65
Product or component type	Miniature circuit-breaker
Device short name	iC65N
Poles description	2P
Device application	Distribution
Number of protected poles	2
[In] rated current	16 A at 30 °C
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6 kA Icn at 400 V AC 50/60 Hz per pole conforming to GB/T 10963.1 6 kA Icn at 400 V AC 50/60 Hz per pole conforming to IEC 60898-1
Suitability for isolation	Yes
Utilisation category	Category A

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	400 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In
Limitation class	3
[Uimp] rated impulse withstand voltage	4 kV
[Ui] rated insulation voltage	500 V AC
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	94 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

Depth	78.5 mm
Net weight	209 g
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Tunnel type terminals top or bottom 1…25 mm² rigid without cable end Tunnel type terminals top or bottom 1…16 mm² flexible with or without cable end
Tightening torque	Power circuit: 2.5 N.m
Wire stripping length	Power circuit: 14 mm
Earth-leakage protection	Separate block

Environment

Product certifications	CCS CCC CE
Standards	GB 10963.1 IEC 60898-1
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3
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	7.34 cm
Package 1 Width	9.25 cm
Package 1 Length	3.56 cm
Package 1 Weight	193.9 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.26 cm
Package 2 Width	9.78 cm
Package 2 Length	21.97 cm
Package 2 Weight	1.26 kg
Unit Type of Package 3	CAR
Number of Units in Package 3	54
Package 3 Height	24.5 cm
Package 3 Width	26.5 cm
Package 3 Length	30.5 cm
Package 3 Weight	11.5 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	**7 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**2 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]	**5 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.4 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Average percentage of recycled plastic content	**16 %**
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**
Silicone-free	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**49**
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**