Product data sheet
Characteristics

A9F94401
iC60L - miniature circuit breaker - 4P - 1A - C curve



Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	iC60L
Poles description	4P
Number of protected poles	4
[In] rated current	1 A
Network type	AC DC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	15000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 70 KA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 100 KA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 100 KA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 100 KA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 100 KA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at <= 250 V DC conforming to EN/IEC 60947-2
Utilisation category	Category A conforming to EN 60947-2 Category A conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60898-1 Yes conforming to EN 60947-2 Yes conforming to IEC 60898-1 Yes conforming to IEC 60947-2
Standards	EN 60898-1 EN 60947-2 IEC 60898-1 IEC 60947-2

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	100 KA 100 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 100 KA 100 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 100 KA 100 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 70 KA 100 % conforming to EN 60947-2 - 440 V AC 50/60 Hz 100 KA 100 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 70 KA 100 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz 100 KA 100 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz 100 KA 100 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz 7500 A 50 % conforming to EN 60898-1 - 400 V AC 50/60 Hz 7500 A 50 % conforming to IEC 60898-1 - 400 V AC 50/60 Hz 20 KA 100 % conforming to EN 60947-2 - 180...250 V DC 20 kA 100 % conforming to IEC 60947-2 - 180...250 V DC
Limitation class	3 conforming to EN 60898-1 3 conforming to IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN 60947-2 500 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	6 KV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	Trip indicator
Mounting mode	Fixed
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: YES
9 mm pitches	8
Height	85 mm
Width	72 mm
Depth	78.5 mm
Net weight	0.5 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Connections - terminals	Single terminal (top or bottom) 1…25 mm^2 rigid Single terminal (top or bottom) 1…16 mm^2 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

IP degree of protection	IP20 conforming to IEC 60529 IP20 conforming to EN 60529
Pollution degree	3 conforming to EN 60947-2 3 conforming to IEC 60947-2
Overvoltage category	IV
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Operating altitude	0...2000 m
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	7.1 cm
Package 1 Width	7.1 cm
Package 1 Length	9.4 cm

Package 1 Weight	448.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.1 cm
Package 2 Width	9.8 cm
Package 2 Length	22.3 cm
Package 2 Weight	1.409 kg
Unit Type of Package 3	S03
Number of Units in Package 3	33
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.034 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free product

Contractual warranty

Warranty	18 months