

# Product datasheet

Specifications



Miniature circuit breaker (MCB),  
Acti9 iC60L, 4P, 1.6A, Z curve,  
15000A (IEC/EN 60898-1), 100kA  
(IEC/EN 60947-2)

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## 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	1.6 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	Z
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 60947-2 Yes conforming to IEC 60947-2
Standards	EN 60947-2 IEC 60947-2

## Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	3 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 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

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

[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 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

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	7.3 cm
Package 1 Length	9.3 cm
Package 1 Weight	450.0 g

Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	10.0 cm
Package 2 Width	8.0 cm
Package 2 Length	22.0 cm
Package 2 Weight	1.407 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	16.05 kg

## Contractual warranty

Warranty	18 months
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Sustainability



**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency   RoHS/REACH

Well-being performance

✓ Toxic Heavy Metal Free	
✓ Mercury Free	
✓ Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations