

A9D61845

iC60N - earth leakage circuit breaker - 1P + N - C
curve - 45 A - 30 mA - 240 V



Main

Circuit breaker application	Distribution
Range	Acti 9
Product name	IC60 RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	IC60N RCBO
Poles description	1P + N
[In] rated current	45 A at 50 °C
Earthing system	TN
Curve code	C
Earth-leakage sensitivity	30 mA
Breaking capacity	Icn : 6000 A - 240 V - AC at 50/60 Hz

Complementary

Neutral position	Left
Number of protected poles	1
Device location in system	Outgoer
Network type	AC
Network frequency	50 Hz
[Ue] rated operational voltage	Ue: 240 V - AC at 50/60 Hz
Trip unit technology	Thermal-magnetic
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Class A
[Icw] rated short-time withstand current	Icw: 250 A during 8/20 µs impulse withstand
[Ics] rated service breaking capacity	Ics: 6000 A - 240 V - AC at 50/60 Hz
Limitation class	3
[Ui] rated insulation voltage	Ui: 400 V - AC at 50/60 Hz
[Uimp] rated impulse withstand voltage	Uimp: 4 kV
Suitability for isolation	Yes
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar distribution block compatibility	NO
9 mm pitches	2
Height	110 mm
Width	18 mm
Depth	77.5 mm
Product weight	205 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Padlockable with padlock Ø 4 mm

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.

Locking options description	ON/OFF locking facilities
Connections - terminals	Screw clamp terminal connection on top - 1...25 mm ² - rigid - without cable end Screw clamp terminal connection on top - 1...16 mm ² - flexible Screw clamp terminal connection on bottom - 1...16 mm ² - rigid - without cable end Screw clamp terminal connection on bottom - 1...10 mm ² - flexible
Wire stripping length	13 mm on bottom of power circuit 14 mm on top of power circuit
Tightening torque	3.5 N.m on top of power circuit 2 N.m on bottom of power circuit
Earth-leakage protection	Integrated

Environment

standards	IEC 61009-1 IEC 61009-2-2 AS/NZS 61009.1
IP degree of protection	IP20
tropicalisation	2
relative humidity	95 % at 55 °C
ambient air temperature for operation	-15...60 °C
ambient air temperature for storage	-40...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1245 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available