



Main

Range	Acti 9
Product name	Disbo iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
Poles description	2P
Number of protected poles	2
[In] rated current	50 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6 kA Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 10 kA Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 20 kA Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 6 kA Icu conforming to EN/IEC 60947-2 - 100...133 V DC 36 kA Icu conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz 6000 A Icn conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz
Utilisation category	Category A conforming to EN/IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	440 V AC 50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	4.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 7.5 kA 75 % x Icu conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 15 kA 75 % x Icu conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 6 kA 100 % x Icu conforming to EN/IEC 60947-2 - 100...133 V DC 27 kA 75 % x Icu conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz 6000 A 100 % x Icu conforming to EN/IEC 60898-1 - 415 V AC 50/60 Hz
Limitation class	3 conforming to EN/IEC 60947-2
[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	Trip indicator
Mounting mode	Clip-on
Mounting support	Rail
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	78.5 mm
Product weight	0.25 kg
Colour	White
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable

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Connections - terminals	Single terminal, top or bottom rigid wire(s) 1...35 mm ² max Single terminal, top or bottom flexible wire(s) 1...25 mm ² max
Wire stripping length	14 mm top or bottom
Tightening torque	3.5 N.m top or bottom
Earth-leakage protection	Separate block

Environment

standards	EN/IEC 60947-2 EN/IEC 60898-1
IP degree of protection	IP20 conforming to IEC 60529
pollution degree	3 conforming to EN/IEC 60947-2
tropicalisation	2 conforming to IEC 60068-1
relative humidity	95 % (55 °C)
ambient air temperature for operation	-35...70 °C
ambient air temperature for storage	-40...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations