



### Main

Range of product	Librio
Range	Librio
Product name	C40
Product or component type	Miniature circuit-breaker
Device short name	C40a
Device application	Distribution
Poles description	3P + N
Number of protected poles	3
Neutral position	Left
[In] rated current	20 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	B
Breaking capacity	4500 A Icn at 400 V AC 50 Hz conforming to EN/IEC 60898-1
Suitability for isolation	Yes conforming to IEC 60947-2

### Complementary

Network frequency	50 Hz
[Ue] rated operational voltage	230 V AC 50 Hz between phase and neutral 400 V between phases
Magnetic tripping limit	3...5 x In
[Ics] rated service breaking capacity	4500 A x Icn at 400 V AC 50 Hz conforming to EN/IEC 60898-1
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	400 V AC 50 Hz conforming to EN/IEC 60898-1
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	6
Height	81 mm
Width	54 mm
Depth	78 mm
Net weight	322 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Locking options description	Padlocking device
Connections - terminals	Tunnel type terminals downstream 0.33...10 mm <sup>2</sup> flexible Tunnel type terminals downstream 0.75...16 mm <sup>2</sup> rigid Tunnel type terminals upstream 0.33...10 mm <sup>2</sup> flexible Tunnel type terminals upstream 0.75...16 mm <sup>2</sup> rigid
Wire stripping length	13 mm
Tightening torque	2 N.m
Earth-leakage protection	Separate block

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## Environment

Standards	EN/IEC 60898-1
IP degree of protection	IP20 conforming to IEC 60529
Pollution degree	3 conforming to IEC 60947-2
Tropicalisation	2 conforming to IEC 60898-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	316 g
Package 1 Height	7.5 cm
Package 1 width	5.4 cm
Package 1 Length	8.5 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
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
Halogen content performance	Halogen free product

## Contractual warranty

Warranty	18 months
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