

Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Square D QOvs, 1P+Ns, 16A, B curve, 10000A, AC type, 30mA

QO116B10RCBO30F

Main

Circuit breaker application	Distribution
Range	Square D
Product name	QOvs RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Poles description	1P + Ns
[In] rated current	16 A at 40 °C
Earthing system	TN
Curve code	B
Earth-leakage sensitivity	30 mA
Breaking capacity	10000 A Icn at 230/240 V AC 50/60 Hz

Complementary

Number of protected poles	1
Device location in system	Outgoer
Network frequency	50/60 Hz
Network type	AC
Trip unit technology	Thermal-magnetic
[Ue] rated operational voltage	230/240 V AC 50/60 Hz
Residual current tripping technology	Voltage dependent functional earth
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type AC
[Icw] rated short-time withstand current	Icw: 250 A during 8/20 μ s impulse withstand
[Ics] rated service breaking capacity	7500 A at 230/240 V AC 50/60 Hz
Electrical insulation class	Class II
Limitation class	3
[Ui] rated insulation voltage	400 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Surge current	250 A
Suitability for isolation	Yes
Contact position indicator	Yes

control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Plug-on
Mounting support	Socket
Comb busbar and distribution block compatibility	NO
Height	110 mm
Width	19 mm
Depth	85 mm
Net weight	186 g
Colour	Black
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Non padlockable
Connections - terminals	Plug-in connector (top) Tunnel type terminal (bottom) 1...16 mm ² rigid without cable end Tunnel type terminal (bottom) 1...10 mm ² with cable end Tunnel type terminal (bottom) 1...10 mm ² flexible without cable end
Wire stripping length	Power circuit: 15 mm for bottom connection
Tightening torque	Power circuit: 2 N.m bottom
Earth-leakage protection	Integrated

Environment

Standards	BS EN 61009-1 IEC 61009-2-2 IEC 61009-1 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.3 cm
Package 1 Width	14.3 cm
Package 1 Length	2.7 cm
Package 1 Weight	230 g
Unit Type of Package 2	S02
Number of Units in Package 2	34
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm

Package 2 Weight	8.26 kg
Unit Type of Package 3	P12
Number of Units in Package 3	1088
Package 3 Height	70 cm
Package 3 Width	120 cm
Package 3 Length	80 cm
Package 3 Weight	262.24 kg

Logistical informations

Country of origin	TH
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Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint 43

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 9a51c76a-1b6a-4c6b-be51-2aebaefb053b

REACH Regulation [REACH Declaration](#)

Halogen-free status Halogen free plastic parts product

Use Again

Repack and remanufacture

End of life manual availability No need of specific recycling operations

Take-back Yes

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins