Product datasheet
Characteristics

QO116B10RCBO30F
QOvs - earth leakage circuit breaker - 1P + Ns - B curve - 16A - 30mA



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 type	AC
Network frequency	50/60 Hz
[Ue] rated operational voltage	230/240 V AC 50/60 Hz
Trip unit technology	Thermal-magnetic
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 µs 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	AC 50/60 Hz
[Uimp] rated impulse withstand voltage	4 kV
Suitability for isolation	Yes
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication

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

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 mm² rigid without cable end Tunnel type terminal (bottom) 1…10 mm² with cable end Tunnel type terminal (bottom) 1…10 mm² 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

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months