



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	C
Earth-leakage sensitivity	30 mA
Breaking capacity	Icn : 10000 A - 230/240 V - AC at 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	Ue: 230/240 V - AC at 50/60 Hz
Trip unit technology	Thermal-magnetic
Residual current tripping technology	Voltage dependent with 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	Ics: 7500 A - 230/240 V - AC at 50/60 Hz
Electrical insulation class	Class II
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

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
Product weight	186 g
Colour	Black
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Non padlockable
Connections - terminals	Plug-in connector connection on top Tunnel type terminal connection on bottom - 1...16 mm ² - rigid - without cable end Tunnel type terminal connection on bottom - 1...10 mm ² - with cable end Tunnel type terminal connection on bottom - 1...10 mm ² - flexible - without cable end
Wire stripping length	15 mm on bottom of power circuit
Tightening torque	2 N.m on bottom of power circuit
Earth-leakage protection	Integrated

Environment

Standards	IEC 61009-1 BS EN 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

RoHS (date code: YYWW)	Compliant Schneider Electric declaration of conformity
REACH	Reference contains SVHC above the threshold Go to CaP for more details