Product datasheet
Characteristics

QO120B10RCBO30F
QOvs - earth leakage circuit breaker - 1P + Ns - B curve - 20A - 30mA

Main

Circuit breaker application	Distribution
Range	Square D
Range of product	Square D
Product name	QOvs RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Poles description	1P + Ns
[In] rated current	20 A at 40 °C
Earthing system	TN
Curve code	B
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
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 mm² - rigid - without cable end Tunnel type terminal connection on bottom - 1...10 mm² - with cable end Tunnel type terminal connection on bottom - 1...10 mm² - 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

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0844 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available