

Product datasheet

Characteristics

A9D16820

iKQE - earth leakage circuit breaker - 1P + N - C
curve - 20 A - 10 mA - 230 V



Main

Circuit breaker application	Distribution
Range	Acti 9
Product name	IKQE RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Poles description	1P + N
[In] rated current	20 A at 50 °C
Earthing system	TN
Curve code	C
Earth-leakage sensitivity	10 mA
Breaking capacity	Icn : 10000 A - 230 V - AC at 50/60 Hz

Complementary

Neutral position	Left
Number of protected poles	1
Device location in system	Outgoer
Network type	AC
Network frequency	50 Hz
[Ue] rated operational voltage	Ue: 230 V - AC at 50/60 Hz
Trip unit technology	Thermal-magnetic
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
[Icw] rated short-time withstand current	Icw: 250 A during 8/20 µs impulse withstand
[Ics] rated service breaking capacity	Ics: 10000 A - 230 V - AC at 50/60 Hz
Limitation class	3
[Ui] rated insulation voltage	Ui: 400 V - AC at 50/60 Hz
[Uimp] rated impulse withstand voltage	Uimp: 4 kV

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

Suitability for isolation	Yes
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	NO
9 mm pitches	2
Height	118 mm
Width	18 mm
Depth	82 mm
Product weight	218 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Padlockable with padlock Ø 4 mm
Locking options description	ON/OFF locking facilities
Connections - terminals	Tunnel type terminal connection on top or bottom - 1...16 mm ² - rigid - without cable end Tunnel type terminal connection on top or bottom - 1...10 mm ² - flexible - without cable end Tunnel type terminal connection on top or bottom - 1...10 mm ² - flexible - with cable end
Wire stripping length	13 mm on top or bottom of power circuit
Tightening torque	2 N.m on top or bottom of power circuit
Earth-leakage protection	Integrated

Environment

Standards	BS EN 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 1245 - 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 environmental
Product end of life instructions	Available  End of life manual