

Product datasheet

Specifications



Acti9 iKQ 3P 100A C Miniature Circuit breaker

KQ10C3100

⚠ Discontinued on: 13 Sept 2024

⚠ Discontinued

Main

Range	Acti9
Product name	iKQ
Product or component type	Circuit breaker
Poles description	3P
Number of protected poles	3
[In] rated current	100 A at 40 °C
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	20 kA Icu at <= 375 V DC conforming to EN/IEC 60947-2 40 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 500 V AC 50/60 Hz conforming to EN/IEC 60947-2 36 kA Icu at <= 375 V DC conforming to EN/IEC 60947-2
Utilisation category	Category A conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	440 V AC 50/60 Hz <= 375 V DC 380...415 V AC 50/60 Hz 500 V AC 50/60 Hz
Magnetic tripping limit	8 x In
[Ics] rated service breaking capacity	37.5 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 37.5 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 30 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 11.25 kA 75 % conforming to EN/IEC 60947-2 - 500 V AC 50/60 Hz 50 kA 100 % conforming to EN/IEC 60947-2 - 375 V DC
[Ui] rated insulation voltage	690 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle Manual tripping test
Local signalling	ON/OFF indication Trip indicator

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	Clip-on
Mounting support	35 mm symmetrical DIN rail
Comb busbar and distribution block compatibility	NO
9 mm pitches	9
Height	103 mm
Width	81 mm
Depth	81 mm
Net weight	0.72 kg
Mechanical durability	20000 cycles
Electrical durability	5000 cycles
Provision for padlocking	Padlockable
Locking options description	Integrated padlocking
Connections - terminals	Tunnel type terminals16...70 mm² rigid Tunnel type terminals1...35 mm² flexible
Wire stripping length	20 mm
Tightening torque	6 N.m
Earth-leakage protection	Separate block

Environment

Standards	EN/IEC 60947-2
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK05 conforming to IEC 62262
Pollution degree	3 conforming to IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30...70 °C
Ambient air temperature for storage	-40...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8.500 cm
Package 1 Width	11.500 cm
Package 1 Length	9.000 cm
Package 1 Weight	793.000 g

Contractual warranty

Warranty (in months)	18
----------------------	----



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 footprint0 kg CO2 eq.

Environmental Disclosure[Product Environmental Profile](#)

Use Better



Materials and Substances

Packaging made with recycled cardboardYes

SCIP NumberC839c050-8547-41ce-b0db-e9813554fc09

Halogen-free statusProduct contains halogen above thresholds

Use Longer



Lifetime extension

RepairNo

Use Again



Repack and remanufacture

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