

Product data sheet

Characteristics

A9C20884

iCT 100A 4NO 220...240V 50Hz contactor



Main

Range of product	Acti9
Product name	Acti9 iCT
Product or component type	Contactor
Device short name	iCT
Device application	Heating-low inductive load
Poles	4P
[Ie] rated operational current	100 A AC-7A
Pole contact composition	4 NO
Network type	AC
Utilisation category	AC-1 conforming to EN 60947-4-1 AC-7A conforming to EN 61095 AC-7A conforming to IEC 61095 AC-7A conforming to UTE C 61-481 AC-1 conforming to IEC 60947-4-1
Control type	Remote control
[Uc] control circuit voltage	220...240 V AC 50 Hz

Complementary

Network frequency	50 Hz
[Ue] rated operational voltage	400 V AC 50 Hz
Maximum power	AC-7A: 4.2 W at 400 V AC 50 Hz
[Ui] rated insulation voltage	500 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV
Control signal type	Maintained
Switching frequency	100 switching operations/day
Local signalling	Action indicator
Hold-in power consumption in VA	13 VA
Inrush power in VA	106 VA
Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail
9 mm pitches	12
Height	85 mm
Width	108 mm
Depth	60 mm
Colour	White
Electrical durability	30000 Cycles EN 61095 400 V 16 A AC 50 Hz AC-7A 30000 Cycles UTE C 61-481 400 V 6 A AC 50 Hz AC-7A 30000 cycles IEC 61095 400 V AC 50 Hz AC-7A
Connections - terminals	Control circuit: tunnel type terminals2 cable(s) 1.5 mm ² rigid Control circuit: tunnel type terminals1 cable(s) 1.5...2.5 mm ² rigid Control circuit: tunnel type terminals2 cable(s) 1.5...2.5 mm ² flexible Power circuit: tunnel type terminals1 cable(s) 6...35 mm ² solid or flexible
Tightening torque	Power circuit: 3.5 N.m Control circuit: 0.8 N.m A1 / A2

Product compatibility	IACTp IACTs IATEt IACTc
Compatibility code	ICT
Market segment	Small commercial Residential






Environment

Standards	EN 61095 IEC 61095 UTE C 61-481
Noise level	30 dB
Heat dissipation	4.2 W at 50/60 Hz
IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	2
Tropicalisation	2 conforming to EN 60947-4-1
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
Ambient air temperature for operation	-5...60 °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	6.800 cm
Package 1 Width	8.800 cm
Package 1 Length	10.900 cm
Package 1 Weight	621.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	2
Package 2 Height	8.300 cm
Package 2 Width	9.800 cm
Package 2 Length	23.200 cm
Package 2 Weight	1.304 kg
Unit Type of Package 3	S03
Number of Units in Package 3	16
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	10.919 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	No need of specific recycling operations
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
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