

# Product datasheet

## Characteristics

# A9C20882

## iCT 100A 2NO 220...240V 50Hz contactor



### Main

Range of product	Acti 9
Product name	Acti 9 iCT
Product or component type	Contactor
Device short name	ICT
Device application	Heating-low inductive load
Poles	2P
[Ie] rated operational current	100 A AC-7A
Pole contact composition	2 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	250 V AC 50 Hz
Maximum power	AC-7A: 2.1 W at 250 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	6.5 VA
Inrush power in VA	53 VA
Mounting mode	Clip-on
Mounting support	35 mm symmetrical DIN rail

9 mm pitches	6
Height	85 mm
Width	54 mm
Depth	60 mm
Colour	White
Electrical durability	30000 cycles EN 61095 250 V 16 A AC 50 Hz AC-7A 30000 cycles UTE C 61-481 250 V 6 A AC 50 Hz AC-7A 30000 cycles IEC 61095 250 V AC 50 Hz AC-7A
Connections - terminals	Control circuit: tunnel type terminals2 cable(s) 1.5 mm <sup>2</sup> rigid Control circuit: tunnel type terminals1 cable(s) 1.5...2.5 mm <sup>2</sup> rigid Control circuit: tunnel type terminals2 cable(s) 1.5...2.5 mm <sup>2</sup> flexible Power circuit: tunnel type terminals1 cable(s) 6...35 mm <sup>2</sup> solid or flexible
Tightening torque	Power circuit: 3.5 N.m Control circuit: 0.8 N.m A1 / A2
Product compatibility	IACTs IACTp IATEt IACTc
Compatibility code	ICT
Market segment	Small commercial Residential

## Environment

Standards	UTE C 61-481 IEC 61095 EN 61095
Noise level	30 dB
Heat dissipation	2.1 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

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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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