

# Product datasheet

Specifications



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

Local distributor code: 396892870    A9C20884

### Main

|                                |                                                                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product               | Acti9                                                                                                                                                                    |
| Product name                   | Acti9 iCT                                                                                                                                                                |
| Product or component type      | Contactors                                                                                                                                                               |
| 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<br>AC-7A conforming to EN 61095<br>AC-7A conforming to IEC 61095<br>AC-7A conforming to UTE C 61-481<br>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<br>30000 cycles UTE C 61-481 400 V 6 A AC 50 Hz AC-7A<br>30000 cycles IEC 61095 400 V AC 50 Hz AC-7A                                                                                                                                             |
| Connections - terminals | Control circuit: tunnel type terminals2 cable(s) 1.5 mm² rigid<br>Control circuit: tunnel type terminals1 cable(s) 1.5...2.5 mm² rigid<br>Control circuit: tunnel type terminals2 cable(s) 1.5...2.5 mm² flexible<br>Power circuit: tunnel type terminals1 cable(s) 6...35 mm² solid or flexible |
| Tightening torque       | Power circuit: 3.5 N.m<br>Control circuit: 0.8 N.m A1 / A2                                                                                                                                                                                                                                       |
| Product compatibility   | IACTp<br>IACTs<br>IATEt<br>IACTc                                                                                                                                                                                                                                                                 |
| Compatibility code      | ICT                                                                                                                                                                                                                                                                                              |
| Market segment          | Small commercial<br>Residential                                                                                                                                                                                                                                                                  |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | EN 61095<br>IEC 61095<br>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<br>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 Weight             | 621.0 g   |
| Package 1 Height             | 6.8 cm    |
| Package 1 width              | 8.8 cm    |
| Package 1 Length             | 10.9 cm   |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 16        |
| Package 2 Weight             | 10.919 kg |
| Package 2 Height             | 30 cm     |
| Package 2 width              | 30 cm     |

|                              |          |
|------------------------------|----------|
| Package 2 Length             | 40 cm    |
| Unit Type of Package 3       | BB1      |
| Number of Units in Package 3 | 2        |
| Package 3 Weight             | 1.304 kg |
| Package 3 Height             | 8.3 cm   |
| Package 3 width              | 9.8 cm   |
| Package 3 Length             | 23.2 cm  |

### Offer Sustainability

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