

# Product datasheet

Specifications



## iCT 16A 2NO 220V 50Hz contactor

Local distributor code: 396893073    A9C22512

### Main

|                                |                         |
|--------------------------------|-------------------------|
| Range of product               | Acti9                   |
| Product name                   | Acti9 iCT               |
| Product or component type      | Contactors              |
| Device short name              | ICT                     |
| Device application             | Motor-heating-lighting  |
| Poles                          | 2P                      |
| [Ie] rated operational current | 16 A AC-7A<br>6 A AC-7B |
| Pole contact composition       | 2 NO                    |
| Network type                   | AC                      |
| Control type                   | Remote control          |
| [Uc] control circuit voltage   | 220 V AC 50 Hz          |

### Complementary

|                                        |                              |
|----------------------------------------|------------------------------|
| Network frequency                      | 50 Hz                        |
| [Ue] rated operational voltage         | 250 V AC 50 Hz               |
| Maximum power                          | 1.3 W at 250 V AC            |
| [Ui] rated insulation voltage          | 500 V AC 50/60 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        | 3.8 VA                       |
| Inrush power in VA                     | 15 VA                        |
| Mounting mode                          | Clip-on                      |
| Mounting support                       | 35 mm symmetrical DIN rail   |
| 9 mm pitches                           | 2                            |
| Height                                 | 81 mm                        |

|                         |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Width                   | 18 mm                                                                                                                                                                                                                                                                                                                                                      |
| Depth                   | 68.5 mm                                                                                                                                                                                                                                                                                                                                                    |
| Colour                  | White                                                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability   | 1000000 cycles                                                                                                                                                                                                                                                                                                                                             |
| Electrical durability   | 100000 cycles IEC/EN 61095 16 A 50 Hz AC-7A<br>30000 cycles IEC/EN 61095 6 A 50 Hz AC-7B<br>30000 cycles IEC/EN 61095 50 Hz AC-7C<br>100000 cycles EN/IEC 60947-4-1 50 Hz AC-1<br>30000 cycles EN/IEC 60947-4-1 50 Hz AC-3<br>30000 cycles EN/IEC 60947-4-1 50 Hz AC-5a<br>30000 cycles EN/IEC 60947-4-1 50 Hz AC-5b                                       |
| Connections - terminals | Control circuit: tunnel type terminals2 cable(s) 1.5 mm² rigid<br>Power circuit: tunnel type terminals1 cable(s) 1...4 mm² flexible<br>Power circuit: tunnel type terminals1 cable(s) 1.5...6 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 |
| Tightening torque       | Control circuit: 0.8 N.m<br>Power circuit: 0.8 N.m                                                                                                                                                                                                                                                                                                         |
| Product compatibility   | IACTs                                                                                                                                                                                                                                                                                                                                                      |
| Compatibility code      | ICT                                                                                                                                                                                                                                                                                                                                                        |
| Market segment          | Residential<br>Small commercial                                                                                                                                                                                                                                                                                                                            |

## Environment

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Standards                             | IEC/EN 61095                                                                         |
| Noise level                           | 30 dB                                                                                |
| Heat dissipation                      | 1.3 W                                                                                |
| 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<br>2 conforming to EN 61095<br>2 conforming to IEC 1095 |
| 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             | 117.0 g  |
| Package 1 Height             | 1.8 cm   |
| Package 1 width              | 6.8 cm   |
| Package 1 Length             | 8.5 cm   |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 12       |
| Package 2 Weight             | 1.465 kg |
| Package 2 Height             | 8 cm     |
| Package 2 width              | 9.5 cm   |

|                              |         |
|------------------------------|---------|
| Package 2 Length             | 23 cm   |
| Unit Type of Package 3       | S03     |
| Number of Units in Package 3 | 144     |
| Package 3 Weight             | 18.0 kg |
| Package 3 Height             | 30 cm   |
| Package 3 width              | 30 cm   |
| Package 3 Length             | 40 cm   |

### Offer Sustainability

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                 |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                     |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>                                                                      |
| Mercury free               | Yes                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                         |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|