

## Product data sheet

### Characteristics

# A9C20838

iCT 25A 2NO 2NC 220...240V 50Hz contactor



### Main

|                                |                           |
|--------------------------------|---------------------------|
| Range of product               | Acti9                     |
| Product name                   | Acti9 iCT                 |
| Product or component type      | Contactor                 |
| Device short name              | ICT                       |
| Device application             | Motor-heating-lighting    |
| Poles                          | 4P                        |
| [Ie] rated operational current | 25 A AC-7A<br>8.5 A AC-7B |
| Pole contact composition       | 2 NO + 2 NC               |
| Network type                   | AC                        |
| 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                          | 1.6 W at 400 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        | 4.6 VA                                                                                                                                                                                                                                                                                                                                                     |
| Inrush power in VA                     | 34 VA                                                                                                                                                                                                                                                                                                                                                      |
| Mounting mode                          | Clip-on                                                                                                                                                                                                                                                                                                                                                    |
| Mounting support                       | 35 mm symmetrical DIN rail                                                                                                                                                                                                                                                                                                                                 |
| 9 mm pitches                           | 4                                                                                                                                                                                                                                                                                                                                                          |
| Height                                 | 81 mm                                                                                                                                                                                                                                                                                                                                                      |
| Width                                  | 36 mm                                                                                                                                                                                                                                                                                                                                                      |
| Depth                                  | 60 mm                                                                                                                                                                                                                                                                                                                                                      |
| Colour                                 | White                                                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                  | 1000000 cycles                                                                                                                                                                                                                                                                                                                                             |
| Electrical durability                  | 100000 Cycles IEC/EN 61095 25 A 50 Hz AC-7A<br>30000 Cycles IEC/EN 61095 8.5 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 | IACTc<br>IATEt<br>IACTp<br>IACTs |
| Compatibility code    | ICT                              |
| Market segment        | Small commercial<br>Residential  |

## Environment

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Standards                             | IEC/EN 61095                                                                         |
| Noise level                           | 30 dB                                                                                |
| Heat dissipation                      | 1.6 W at 50/60 Hz                                                                    |
| IP degree of protection               | IP20                                                                                 |
| 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             | 251 g   |
| Package 1 Height             | 4.2 cm  |
| Package 1 width              | 1.1 cm  |
| Package 1 Length             | 12.2 cm |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant  <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>        |
| 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 |
|----------|-----------|