

# Product datasheet

Specifications



## iCT 25A 4NC 220...240V 50Hz contactor

A9C20837

### Main

|                                |                           |
|--------------------------------|---------------------------|
| range of product               | Acti9                     |
| Product name                   | Acti9 iCT                 |
| Product or component type      | Contactors                |
| 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       | 4 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               |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                         |                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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   | IACTs<br>IATet<br>IACTc<br>IACTp                                                                                                                                                                                                                                                                                                                           |
| Compatibility code      | ICT                                                                                                                                                                                                                                                                                                                                                        |
| Market segment          | Residential<br>Small commercial                                                                                                                                                                                                                                                                                                                            |

## Environment

|                                       |                                                                                      |
|---------------------------------------|--------------------------------------------------------------------------------------|
| Standards                             | IEC/EN 61095                                                                         |
| Noise level                           | 30 dB                                                                                |
| 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 Height             | 4.200 cm  |
| Package 1 Width              | 11.200 cm |
| Package 1 Length             | 12.200 cm |
| Package 1 Weight             | 236.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 6         |
| Package 2 Height             | 11.500 cm |
| Package 2 Width              | 12.500 cm |
| Package 2 Length             | 25.000 cm |
| Package 2 Weight             | 1.499 kg  |
| Unit Type of Package 3       | S03       |

|                              |           |
|------------------------------|-----------|
| Number of Units in Package 3 | 36        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 9.447 kg  |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 259 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 258 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0 kg CO2 eq.                                  |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                     |
| Packaging without single use plastic   | No                                                                                     |
| SCIP Number                            | 6763a476-30bc-4d05-a4bb-93f8d65c3771                                                   |
| EU RoHS Directive                      | <a href="#">Compliant</a>                                                              |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |
| Halogen-free status                    | Product contains halogen above thresholds                                              |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | No need of specific recycling operations                                                                                                                                                                        |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |