# Product data sheet

Specifications

## TeSys GC - modular contactor - 25 A - 2 NO + 2 NC - coil 110 V AC

GC2522F5

⚠ Discontinued on: Sep 18, 2020

⚠ **Discontinued**

## Main

| | |
|---|---|
| **Range** | TeSys |
| **Product Name** | TeSys GC |
| **Product Or Component Type** | Modular contactor |
| **Device Short Name** | GC25 |
| **Contactor Application** | Heating<br>Motor control<br>Lighting |

## Complementary

| | |
|---|---|
| **Utilisation Category** | AC-7A<br>AC-7B |
| **Poles Description** | 4P |
| **Power Pole Contact Composition** | 2 NO + 2 NC |
| **[Ue] Rated Operational Voltage** | <= 250 V AC |
| **[Ie] Rated Operational Current** | 25 A AC-7A<br>8.5 A AC-7B |
| **Operating Position** | 30°/vertical |
| **Control Circuit Type** | AC at 50 Hz |
| **[Uc] Control Circuit Voltage** | 110 V AC 50 Hz |
| **[Uimp] Rated Impulse Withstand Voltage** | 4 kV |
| **[Ith] Conventional Free Air Thermal Current** | 25 A (at 50 °C) for power circuit |
| **Irms Rated Making Capacity** | 68 A at 400 V AC for power circuit conforming to IEC 61095 |
| **Rated Breaking Capacity** | 68 A at 400 V for power circuit conforming to IEC 61095 |
| **[Icw] Rated Short-Time Withstand Current** | 200 A 40 °C - 10 s for power circuit<br>62 A 40 °C - 30 s for power circuit |
| **Associated Fuse Rating** | 25 A gL at <= 440 V for power circuit |
| **Average Impedance** | 2.5 mOhm - Ith 25 A 50 Hz for power circuit |
| **[Ui] Rated Insulation Voltage** | 500 V conforming to IEC 61095<br>500 V conforming to VDE 0110 |
| **Electrical Durability** | AC-7A: 100000 cycles<br>AC-7B: 100000 cycles |
| **Power Dissipation Per Pole** | 1.6 W |
| **Control Type** | Remote control |

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|---|---|
| **Mounting Mode** | Clip-on |
| **Mounting Support** | DIN rail |
| **Standards** | IEC 60947-5<br>IEC 61095 |
| **Connections - Terminals** | Control circuit: screw clamp terminals 1 cable(s) 2.5 mm²flexible without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 2.5 mm²flexible without cable end<br>Control circuit: screw clamp terminals 1 cable(s) 2.5 mm²flexible with cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1.5 mm²flexible with cable end<br>Control circuit: screw clamp terminals 1 cable(s) 1.5 mm²solid without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1.5 mm²solid without cable end<br>Power circuit: screw clamp terminals 1 cable(s) 6 mm²flexible without cable end<br>Power circuit: screw clamp terminals 2 cable(s) 4 mm²flexible without cable end<br>Power circuit: screw clamp terminals 1 cable(s) 6 mm²flexible with cable end<br>Power circuit: screw clamp terminals 2 cable(s) 1.5 mm²flexible with cable end<br>Power circuit: screw clamp terminals 1 cable(s) 6 mm²solid without cable end<br>Power circuit: screw clamp terminals 2 cable(s) 4 mm²solid without cable end |
| **Tightening Torque** | Control circuit: 0.8 N.m - on screw clamp terminals<br>Power circuit: 0.8 N.m - on screw clamp terminals |
| **Operating Time** | 10...25 ms opening<br>10...30 ms closing |
| **Mechanical Durability** | 1000000 cycles |
| **Maximum Operating Rate** | 300 cyc/h 50 °C |
| **Control Circuit Voltage Limits** | Drop-out: 0.2...0.75 Uc at 50 Hz (at <50 °C)<br>Operational: 0.85...1.1 Uc at 50 Hz (at <50 °C) |
| **Inrush Power In Va** | 34 VA 50 Hz (at 20 °C) |
| **Hold-In Power Consumption In Va** | 4.6 VA 50 Hz (at 20 °C) |
| **Heat Dissipation** | 1.6 W at 50/60 Hz |

## Environment

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|---|---|
| **Ip Degree Of Protection** | IP40 conforming to VDE 0106 (in enclosure)<br>IP20 conforming to VDE 0106 |
| **Protective Treatment** | TC |
| **Ambient Air Temperature For Operation** | -5…50 °C |
| **Ambient Air Temperature For Storage** | -40…70 °C |
| **Operating Altitude** | <= 3000 m |
| **Mechanical Robustness** | Shocks contactor open: 10 Gn for 11 ms<br>Shocks contactor closed: 15 Gn for 11 ms<br>Vibrations contactor open: 2 Gn, 5...300 Hz<br>Vibrations contactor closed: 3 Gn, 5...300 Hz |
| **Total Number Of 18 Mm Modules** | 2 |
| **Height** | 85 mm |
| **Width** | 36 mm |
| **Depth** | 62.5 mm |
| **Net Weight** | 0.23 kg |
| **Quantity Per Set** | Set of 6 |
| **Colour** | White |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |

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| | |
|---|---|
| **Package 1 Height** | 9 cm |
| **Package 1 Width** | 23 cm |
| **Package 1 Length** | 8 cm |
| **Package 1 Weight** | 230 g |

## Contractual warranty

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

# Sustainability

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Guide to assess a product's sustainability >

## Well-being performance

✅ Mercury Free

✅ Rohs Exemption Information          Yes

**Reach Regulation**                  REACh Declaration

**Eu Rohs Directive**                 Compliant with Exemptions

**China Rohs Regulation**             China RoHS declaration

Product out of China RoHS scope. Substance declaration for your information

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