

# Product datasheet

Specifications



## TeSys GC - modular contactor - 25 A - 2 NO + 2 NC - coil 220...240 V AC

GC2522M5

Price: 839.63 ZAR

### Main

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

### Complementary

|                                             |                                                                             |
|---------------------------------------------|-----------------------------------------------------------------------------|
| Utilisation Category                        | AC-7B<br>AC-7A                                                              |
| 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                | 220...240 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                                                              |
| Mounting Mode                               | Clip-on                                                                     |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

|                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mounting Support                | DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Standards                       | IEC 61095<br>IEC 60947-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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

|                                       |                                                                                                                                                                                    |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

|                              |      |
|------------------------------|------|
| Unit Type Of Package 1       | PCE  |
| Number Of Units In Package 1 | 1    |
| Package 1 Height             | 8 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Width              | 9.5 cm    |
| Package 1 Length             | 23 cm     |
| Package 1 Weight             | 204 g     |
| Unit Type Of Package 2       | BB1       |
| Number Of Units In Package 2 | 6         |
| Package 2 Height             | 8.2 cm    |
| Package 2 Width              | 9.5 cm    |
| Package 2 Length             | 23 cm     |
| Package 2 Weight             | 1.288 kg  |
| Unit Type Of Package 3       | S03       |
| Number Of Units In Package 3 | 48        |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 10.699 kg |

## Contractual warranty

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

## Sustainability

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## Well-being performance

|                                                                                                              |                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
|  Mercury Free               |                                                                                                                       |
|  Rohs Exemption Information | <a href="#">Yes</a>                                                                                                   |
| Reach Regulation                                                                                             | <a href="#">REACH Declaration</a>                                                                                     |
| Eu Rohs Directive                                                                                            | Compliant with Exemptions                                                                                             |
| China Rohs Regulation                                                                                        | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |