

# Product datasheet

Specifications



## TeSys GC - modular contactor - 40 A - 3 NO - coil 220...240 V AC

GC4030M5

### Main

|                           |                                      |
|---------------------------|--------------------------------------|
| Range                     | TeSys                                |
| Product Name              | TeSys GC                             |
| Product Or Component Type | Modular contactor                    |
| Device Short Name         | GC40                                 |
| Contactor Application     | Motor control<br>Heating<br>Lighting |

### Complementary

|   |  |
|---|--|
| Utilisation Category                        | AC-7B<br>AC-7A   |
| Poles Description                           | 3P   |
| Power Pole Contact Composition              | 3 NO   |
| [Ue] Rated Operational Voltage              | <= 250 V AC  |
| [Ie] Rated Operational Current              | 40 A AC-7A<br>15 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 | 40 A (at 50 °C) for power circuit  |
| Irms Rated Making Capacity                  | 120 A at 400 V AC for power circuit conforming to IEC 61095                  |
| Rated Breaking Capacity                     | 120 A at 400 V for power circuit conforming to IEC 61095                     |
| [Icw] Rated Short-Time Withstand Current    | 320 A 40 °C - 10 s for power circuit<br>100 A 40 °C - 30 s for power circuit |
| Associated Fuse Rating                      | 40 A gL at <= 440 V for power circuit  |
| Average Impedance                           | 2 mOhm - Ith 40 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                  | 3.2 W  |
| Control Type                                | Remote control   |
| Mounting Mode                               | Clip-on  |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

|  |  |
|--|--|
| <b>Mounting Support</b>                | DIN rail   |
| <b>Standards</b>                       | IEC 60947-5<br>IEC 61095   |
| <b>Connections - Terminals</b>         | Control circuit: screw clamp terminals 1 cable(s) 2.5 mm <sup>2</sup> flexible without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 2.5 mm <sup>2</sup> flexible without cable end<br>Control circuit: screw clamp terminals 1 cable(s) 2.5 mm <sup>2</sup> flexible with cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1.5 mm <sup>2</sup> flexible with cable end<br>Control circuit: screw clamp terminals 1 cable(s) 1.5 mm <sup>2</sup> solid without cable end<br>Control circuit: screw clamp terminals 2 cable(s) 1.5 mm <sup>2</sup> solid without cable end<br>Power circuit: screw clamp terminals 1 cable(s) 25 mm <sup>2</sup> flexible without cable end<br>Power circuit: screw clamp terminals 2 cable(s) 16 mm <sup>2</sup> flexible without cable end<br>Power circuit: screw clamp terminals 1 cable(s) 16 mm <sup>2</sup> flexible with cable end<br>Power circuit: screw clamp terminals 2 cable(s) 4 mm <sup>2</sup> flexible with cable end<br>Power circuit: screw clamp terminals 1 cable(s) 25 mm <sup>2</sup> solid without cable end<br>Power circuit: screw clamp terminals 2 cable(s) 6 mm <sup>2</sup> solid without cable end |
| <b>Tightening Torque</b>               | Control circuit: 0.8 N.m - on screw clamp terminals<br>Power circuit: 2 N.m - on screw clamp terminals   |
| <b>Operating Time</b>                  | 10...25 ms opening<br>10...30 ms closing   |
| <b>Mechanical Durability</b>           | 1000000 cycles   |
| <b>Maximum Operating Rate</b>          | 300 cyc/h 50 °C  |
| <b>Control Circuit Voltage Limits</b>  | 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)  |
| <b>Inrush Power In Va</b>              | 53 VA 50 Hz (at 20 °C)   |
| <b>Hold-In Power Consumption In Va</b> | 6.5 VA 50 Hz (at 20 °C)  |
| <b>Heat Dissipation</b>                | 2.1 W at 50/60 Hz  |

## Environment

|  |  |
|--|--|
| <b>Ip Degree Of Protection</b>               | IP40 conforming to VDE 0106 (in enclosure)<br>IP20 conforming to VDE 0106  |
| <b>Protective Treatment</b>                  | TC   |
| <b>Ambient Air Temperature For Operation</b> | -5...50 °C   |
| <b>Ambient Air Temperature For Storage</b>   | -40...70 °C  |
| <b>Operating Altitude</b>                    | <= 3000 m  |
| <b>Mechanical Robustness</b>                 | 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 |
| <b>Total Number Of 18 Mm Modules</b>         | 3  |
| <b>Height</b>                                | 85 mm  |
| <b>Width</b>                                 | 54 mm  |
| <b>Depth</b>                                 | 62.5 mm  |
| <b>Quantity Per Set</b>                      | Set of 4   |
| <b>Colour</b>                                | White  |

## Packing Units

|                                     |        |
|-------------------------------------|--------|
| <b>Unit Type Of Package 1</b>       | PCE    |
| <b>Number Of Units In Package 1</b> | 1      |
| <b>Package 1 Height</b>             | 8 cm   |
| <b>Package 1 Width</b>              | 9.5 cm |

|                              |          |
|------------------------------|----------|
| Package 1 Length             | 23 cm    |
| Package 1 Weight             | 314 g    |
| Unit Type Of Package 2       | BB1      |
| Number Of Units In Package 2 | 4        |
| Package 2 Height             | 8 cm     |
| Package 2 Width              | 9.5 cm   |
| Package 2 Length             | 23 cm    |
| Package 2 Weight             | 1.257 kg |
| Unit Type Of Package 3       | S03      |
| Number Of Units In Package 3 | 32       |
| Package 3 Height             | 30 cm    |
| Package 3 Width              | 30 cm    |
| Package 3 Length             | 40 cm    |
| Package 3 Weight             | 10.59 kg |

## Contractual warranty

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

## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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## Well-being performance

✓ Reach Free Of Svhc

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✓ Toxic Heavy Metal Free

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✓ Mercury Free

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✓ Rohs Exemption Information [Yes](#)

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**Reach Regulation** [REACH Declaration](#)

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**Eu Rohs Directive** Compliant  
[EU RoHS Declaration](#)

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**China Rohs Regulation** [China RoHS declaration](#)  
Pro-active China RoHS declaration (out of China RoHS legal scope)

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**Weee** The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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