

Product datasheet

Specifications



TeSys GC - modular contactor - 16 A - 1 NO + 1 NC - coil 12 V AC

GC1611J5

⚠ Discontinued on: 10 Oct 2020

⚠ Discontinued

Main

| | |
|---------------------------|--------------------------------------|
| Range | TeSys |
| Product name | TeSys GC |
| Product or component type | Modular contactor |
| Device short name | GC16 |
| Contactor application | Motor control Heating Lighting |

Complementary

| | |
|---|---|
| Utilisation category | AC-7A AC-7B |
| Poles description | 2P |
| power pole contact composition | 1 NO + 1 NC |
| [Ue] rated operational voltage | <= 250 V AC |
| [Ie] rated operational current | 16 A AC-7A 5 A AC-7B |
| Operating position | 30°/vertical |
| Control circuit type | AC at 50 Hz |
| [Uc] control circuit voltage | 12 V AC 50 Hz |
| [Uimp] rated impulse withstand voltage | 4 kV |
| [Ith] conventional free air thermal current | 16 A (at 50 °C) for power circuit |
| Irms rated making capacity | 40 A at 400 V AC for power circuit conforming to IEC 61095 |
| Rated breaking capacity | 40 A at 400 V for power circuit conforming to IEC 61095 |
| [Icw] rated short-time withstand current | 128 A 40 °C - 10 s for power circuit 40 A 40 °C - 30 s for power circuit |
| Associated fuse rating | 16 A gL at <= 440 V for power circuit |
| Average impedance | 2.5 mOhm - Ith 16 A 50 Hz for power circuit |
| [Ui] rated insulation voltage | 500 V conforming to IEC 61095 500 V conforming to VDE 0110 |
| Electrical durability | AC-7A: 100000 cycles AC-7B: 100000 cycles |
| Power dissipation per pole | 0.65 W |
| Control type | Remote control |
| Mounting mode | Clip-on |

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| Mounting support | DIN rail |
| Standards | IEC 60947-5 IEC 61095 |
| Connections - terminals | Control circuit: screw clamp terminals 1 cable(s) 2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1.5 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm ² solid without cable end Power circuit: screw clamp terminals 1 cable(s) 6 mm ² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 4 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 6 mm ² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.5 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 6 mm ² solid without cable end Power circuit: screw clamp terminals 2 cable(s) 4 mm ² solid without cable end |
| Tightening torque | Control circuit: 0.8 N.m - on screw clamp terminals Power circuit: 0.8 N.m - on screw clamp terminals |
| Operating time | 10...25 ms opening 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 U _c at 50 Hz (at <50 °C) Operational: 0.85...1.1 U _c at 50 Hz (at <50 °C) |
| Inrush power in VA | 15 VA 50 Hz (at 20 °C) |
| Hold-in power consumption in VA | 3.8 VA 50 Hz (at 20 °C) |
| Heat dissipation | 1.3 W at 50/60 Hz |

Environment

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|--|--|
| IP degree of protection | IP40 conforming to VDE 0106 (in enclosure) 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 Shocks contactor closed: 15 Gn for 11 ms Vibrations contactor open: 2 Gn, 5...300 Hz Vibrations contactor closed: 3 Gn, 5...300 Hz |
| Total number of 18 mm modules | 1 |
| Height | 81 mm |
| Width | 17.5 mm |
| Depth | 62.5 mm |
| Product weight | 0.11 kg |
| Quantity per set | Set of 12 |
| Colour | White |

Packing Units

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|-------------------------------------|------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 9 cm |

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|-----------------|-------|
| Package 1 Width | 23 cm |
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| Package 1 Length | 8 cm |
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| Package 1 Weight | 106 g |
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Contractual warranty

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| 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 >](#)

Use Better



Materials and Substances

SCIP Number

361e1245-bdfb-4c55-bca5-ee0430c46917

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



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