



Main

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

Complementary

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|---|---|
| Utilisation category | AC-7B AC-7A |
| Poles description | 4P |
| Power pole contact composition | 2 NO + 2 NC |
| [Ue] rated operational voltage | <= 250 V AC |
| [Ie] rated operational current | 5 A AC-7B 16 A AC-7A |
| Operating position | 30°/vertical |
| Control circuit type | AC 50 Hz |
| [Uc] control circuit voltage | 24 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 power circuit 40 A <= 40 °C 30 s power circuit |
| Associated fuse rating | 16 A gL at <= 440 V for power circuit |
| Average impedance | 2.5 mOhm at 50 Hz - Ith 16 A for power circuit |
| [Ui] rated insulation voltage | 500 V conforming to IEC 61095 |

500 V conforming to VDE 0110

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| 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 |
| Mounting support | DIN rail |
| Standards | IEC 61095 IEC 60947-5 |
| Connections - terminals | Control circuit : screw clamp terminals 1 cable(s) 2.5 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 2.5 mm ² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 2.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 2 cable(s) 1.5 mm ² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1.5 mm ² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 1.5 mm ² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) 6 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 4 mm ² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 1 cable(s) 6 mm ² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) 1.5 mm ² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable(s) 6 mm ² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 4 mm ² - cable stiffness: 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 |
| Operating rate | 300 cyc/h at <= 50 °C |
| Control circuit voltage limits | 0.2...0.75 U _c at <= 50 °C drop-out 50 Hz 0.85...1.1 U _c at <= 50 °C operational 50 Hz |
| Hold-in power consumption in VA | 4.6 VA at 20 °C 50 Hz |
| Heat dissipation | 1.6 W at 50/60 Hz |

Environment

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| IP degree of protection | IP20 conforming to VDE 0106 IP40 in enclosure 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 | Vibrations contactor open 2 Gn, 5...300 Hz Shocks contactor open 10 Gn for 11 ms Shocks contactor closed 15 Gn for 11 ms 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 |
| Product weight | 0.23 kg |
| Quantity per set | Set of 6 |
| Colour | White |

Offer Sustainability

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|--------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 0610 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |

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| Product environmental profile | Available Product Environmental Profile |
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| Product end of life instructions | Need no specific recycling operations |
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Contractual warranty

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| Warranty period | 18 months |
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