



Main

| | |
|---|---|
| Range of product | TeSys GC |
| Product or component type | Contacteur |
| Device short name | Modular standard contactor |
| Contacteur application | Heating Motor control |
| Utilisation category | AC-7A AC-7B |
| Control circuit type | AC |
| Poles description | 2P |
| Pole contact composition | 2 NO |
| [Uc] control circuit voltage | 220...240 V AC 50 Hz |
| [Ith] conventional free air thermal current | 25 A at ≤ 50 °C for power circuit 5 A at ≤ 50 °C for auxiliary contact |

Complementary

| | |
|--|--|
| Coil technology | Without built-in |
| Auxiliary contacts type | Type integrated in coil (1 NO) |
| Auxiliary contact composition | 1 NO |
| 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 |
| [Ui] rated insulation voltage | 500 V for auxiliary contacts conforming to IEC 60947-5 500 V for auxiliary contacts conforming to VDE 0110 500 V for power circuit conforming to IEC 61095 500 V for power circuit conforming to VDE 0110 |
| [Uimp] rated impulse withstand voltage | 4 kV in enclosure |
| Mounting support | DIN rail |
| Connections - terminals | Auxiliary contact: connector 1 cable 1.5 mm ² - cable stiffness: solid - without cable end Auxiliary contact: connector 1 cable 2.5 mm ² - cable stiffness: flexible - with cable end Auxiliary contact: connector 1 cable 2.5 mm ² - cable stiffness: flexible - without cable end Auxiliary contact: connector 2 cable 1.5 mm ² - cable stiffness: flexible - with cable end Auxiliary contact: connector 2 cable 1.5 mm ² - cable stiffness: solid - without cable end Auxiliary contact: connector 2 cable 2.5 mm ² - cable stiffness: flexible - without cable end Power circuit: connector 1 cable 6 mm ² - cable stiffness: flexible - with cable end Power circuit: connector 1 cable 6 mm ² - cable stiffness: flexible - without cable end Power circuit: connector 1 cable 6 mm ² - cable stiffness: solid - without cable end Power circuit: connector 2 cable 1.5 mm ² - cable stiffness: flexible - with cable end Power circuit: connector 2 cable 4 mm ² - cable stiffness: flexible - without cable end Power circuit: connector 2 cable 4 mm ² - cable stiffness: solid - without cable end |
| Tightening torque | Auxiliary contact: 0.8 N.m - on connector - cable 1.5 mm ² Auxiliary contact: 0.8 N.m - on connector - cable 2.5 mm ² Power circuit: 0.8 N.m - on connector - cable 1.5 mm ² Power circuit: 0.8 N.m - on connector - cable 4 mm ² Power circuit: 0.8 N.m - on connector - cable 6 mm ² |
| [Ue] rated operational voltage | ≤ 250 V AC 400 Hz for power circuit ≤ 250 V AC for auxiliary contacts |
| Irms rated making capacity | 68 A at 400 V AC for power circuit conforming to IEC 61095 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---------------------------------|---|
| Permissible short-time rating | 200 A (<= 40 °C) - short time current duration: 10 s - for power circuit 62 A (<= 40 °C) - short time current duration: 30 s - for power circuit |
| Average impedance | 2.5 mOhm at 50 Hz - lth 25 A for power circuit |
| Power dissipation per pole | 1.6 W AC-7A 1.6 W AC-7B |
| Inrush power in VA | 15 VA at 20 °C |
| Hold-in power consumption in VA | 3.8 VA at 20 °C 50 Hz |
| Operating time | 10...25 ms opening 10...30 ms closing |
| Mechanical durability | 1000000 cycles |
| Operating rate | 300 cyc/h at <= 50 °C |
| Height | 81 mm |
| Width | 17.5 mm |
| Depth | 65 mm |
| Product weight | 0.11 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | IEC 60947-5 IEC 61095 VDE 0637-3 |
| Product certifications | NF |
| IP degree of protection | IP20 open state 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 without derating in temperature |
| Fire resistance | 850 °C conforming to IEC 60695-2-1 |
| Shock resistance | 10 gn contactor opened 15 gn contactor closed |
| Vibration resistance | 2 gn 5...300 Hz contactor open 3 gn 5...300 Hz contactor closed |
| Heat dissipation | 1.3 W at 50/60 Hz for control circuit |