

Product datasheet

Specifications



TeSys GC - modular contactor - 100 A - 4 NO - coil 24 V AC

GC10040B5

ⓘ Discontinued

Main

Range	TeSys
Product Name	TeSys GC
Product Or Component Type	Modular contactor
Device Short Name	GC100
Contactor Application	Motor control Heating Lighting

Complementary

Utilisation Category	AC-7A
Poles Description	4P
Power Pole Contact Composition	4 NO
[Ue] Rated Operational Voltage	<= 250 V AC
[Ie] Rated Operational Current	100 A AC-7A
Operating Position	30°/vertical
Control Circuit Type	AC at 50 Hz
[Uc] Control Circuit Voltage	24 V AC 50 Hz
[Uimp] Rated Impulse Withstand Voltage	4 kV
[Ith] Conventional Free Air Thermal Current	100 A (at 50 °C) for power circuit
[Icw] Rated Short-Time Withstand Current	800 A 40 °C - 10 s for power circuit 250 A 40 °C - 30 s for power circuit
Associated Fuse Rating	100 A gL at <= 440 V for power circuit
Average Impedance	1 mOhm - Ith 100 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: 30000 cycles
Power Dissipation Per Pole	10 W
Control Type	Remote control
Mounting Mode	Clip-on
Mounting Support	DIN rail
Standards	IEC 60947-5 IEC 61095

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

Connections - Terminals	Power circuit: screw clamp terminals 1 cable(s) 35 mm²flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 35 mm²flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 35 mm²solid without cable end Power circuit: screw clamp terminals 2 cable(s) 10 mm²solid without cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm²flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 2.5 mm²flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm²flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm²flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1.5 mm²solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm²solid without cable end
Tightening Torque	Control circuit: 0.8 N.m - on screw clamp terminals Power circuit: 3.5 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 Uc at 50 Hz (at <50 °C) Operational: 0.85...1.1 Uc at 50 Hz (at <50 °C)
Inrush Power In Va	106 VA 50 Hz (at 20 °C)
Hold-In Power Consumption In Va	13 VA 50 Hz (at 20 °C)
Heat Dissipation	4.2 W at 50/60 Hz

Environment

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	6
Height	85 mm
Width	108 mm
Depth	62.5 mm
Net Weight	0.78 kg
Quantity Per Set	Set of 2
Colour	White

Contractual warranty

Warranty	18 months
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