Product datasheet
Characteristics

GC1610B5

TeSys GC - modular contactor - 16 A - 1 NO - coil 24 V AC

Green Premium Product

Price* : 26.67 GBP

Main

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

Complementary

Utilisation category	AC-7A AC-7B
Poles description	1P
Pole contact composition	1 NO
[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

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[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
Mounting support	DIN rail
Standards	IEC 60947-5 IEC 61095
Connections - terminals	Control circuit : screw clamp terminals 1 cable(s) 2.5 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 2 cable(s) 2.5 mm² - cable stiffness: flexible - without cable end Control circuit : screw clamp terminals 1 cable(s) 2.5 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 2 cable(s) 1.5 mm² - cable stiffness: flexible - with cable end Control circuit : screw clamp terminals 1 cable(s) 1.5 mm² - cable stiffness: solid - without cable end Control circuit : screw clamp terminals 2 cable(s) 1.5 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 1 cable(s) 6 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 2 cable(s) 4 mm² - cable stiffness: flexible - without cable end Power circuit : screw clamp terminals 1 cable(s) 6 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 2 cable(s) 1.5 mm² - cable stiffness: flexible - with cable end Power circuit : screw clamp terminals 1 cable(s) 6 mm² - cable stiffness: solid - without cable end Power circuit : screw clamp terminals 2 cable(s) 4 mm² - 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 Uc at <= 50 °C drop-out 50 Hz 0.85...1.1 Uc at <= 50 °C operational 50 Hz
Hold-in power consumption in VA	3.8 VA at 20 °C 50 Hz
Heat dissipation	1.3 W at 50/60 Hz

Environment

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	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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0627 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold

Life Is On | Schneider Electric

Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months