Product datasheet

Specifications

Discontinued

TeSys GC - modular contactor - 16 A - 1 NO - coil 220...240 V AC

GC1610M6

Discontinued on: 1 Nov 2020

Main

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

Complementary

Utilisation category	AC-7B AC-7A
Poles description	1P
power pole contact composition	1 NO
[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 60 Hz
[Uc] control circuit voltage	220...240 V AC 60 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

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

Mounting support	DIN rail
Standards	IEC 60947-5 IEC 61095
Connections - terminals	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 Power circuit: screw clamp terminals 1 cable(s) 6 mm²flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 4 mm²flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 6 mm²flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 1.5 mm²flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 6 mm²solid without cable end Power circuit: screw clamp terminals 2 cable(s) 4 mm²solid 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 Uc at 50 Hz (at <50 °C) Operational: 0.85...1.1 Uc 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

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
Net weight	0.11 kg
Quantity per set	Set of 12
Colour	White

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Contractual warranty

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 Longer

Lifetime extension

Repair	No