



Main

Range	TeSys
Product name	TeSys GC
Product or component type	Modular contactor
Device short name	GC40
Contactor application	Motor control Heating Lighting

Complementary

Utilisation category	AC-7B AC-7A
Poles description	3P
Power pole contact composition	3 NO
[Ue] rated operational voltage	≤ 250 V AC
[Ie] rated operational current	40 A AC-7A 15 A AC-7B
Operating position	30°/vertical
Control circuit type	AC at 50 Hz
[Uc] control circuit voltage	220...240 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV
[Ith] conventional free air thermal current	40 A (at 50 °C) for power circuit
Irms rated making capacity	120 A at 400 V AC for power circuit conforming to IEC 61095
Rated breaking capacity	120 A at 400 V for power circuit conforming to IEC 61095
[Icw] rated short-time withstand current	320 A 40 °C - 10 s for power circuit 100 A 40 °C - 30 s for power circuit
Associated fuse rating	40 A gL at ≤ 440 V for power circuit
Average impedance	2 mOhm - Ith 40 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	3.2 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 mm ² flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 2.5 mm ² flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm ² flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm ² flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1.5 mm ² solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm ² solid without cable end Power circuit: screw clamp terminals 1 cable(s) 25 mm ² flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 16 mm ² flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 16 mm ² flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 4 mm ² flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 25 mm ² solid without cable end Power circuit: screw clamp terminals 2 cable(s) 6 mm ² solid without cable end
Tightening torque	Control circuit: 0.8 N.m - on screw clamp terminals Power circuit: 2 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 U _c at 50 Hz (at <50 °C) Operational: 0.85...1.1 U _c at 50 Hz (at <50 °C)
Inrush power in VA	53 VA 50 Hz (at 20 °C)
Hold-in power consumption in VA	6.5 VA 50 Hz (at 20 °C)
Heat dissipation	2.1 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	3
Height	85 mm
Width	54 mm
Depth	62.5 mm
Quantity per set	Set of 4
Colour	White

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes

Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Contractual warranty

Warranty	18 months
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