GC6340M5

Modular contactor, TeSys GC, AC-7a, 63A, 4NO, 220 to 240VAC 50Hz coil

Main

Range	TeSys
Product name	TeSys GC
Product or component type	Modular contactor
Device short name	GC63
Contactor application	Heating Lighting Motor control

Complementary

Utilisation category	AC-7A AC-7B
Poles description	4P
Power pole contact composition	4 NO
[Ue] rated operational voltage	<= 250 V AC
[Ie] rated operational current	63 A AC-7A 25 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	63 A (at 50 °C) for power circuit
Irms rated making capacity	200 A at 400 V AC for power circuit conforming to IEC 61095
Rated breaking capacity	200 A at 400 V for power circuit conforming to IEC 61095
[Icw] rated short-time withstand current	504 A 40 °C - 10 s for power circuit 157 A 40 °C - 30 s for power circuit
Associated fuse rating	63 A gL at <= 440 V for power circuit
Average impedance	2 mOhm - Ith 63 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	8 W
Control type	Remote control
Mounting mode	Clip-on
Mounting support	DIN rail
Standards	IEC 61095 IEC 60947-5

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) 25 mm²flexible without cable end
	Power circuit: screw clamp terminals 2 cable(s) 16 mm²flexible without cable end
	Power circuit: screw clamp terminals 1 cable(s) 16 mm²flexible with cable end
	Power circuit: screw clamp terminals 2 cable(s) 4 mm²flexible with cable end
	Power circuit: screw clamp terminals 1 cable(s) 25 mm²solid without cable end
	Power circuit: screw clamp terminals 2 cable(s) 6 mm²solid 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 Uc at 50 Hz (at <50 °C)
	Operational: 0.85...1.1 Uc 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
Net weight	0.39 kg
Quantity per set	Set of 4
Colour	White

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	7 cm
Package 1 Length	9 cm
Package 1 Weight	322 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.2 cm
Package 2 Width	9.3 cm
Package 2 Length	23 cm
Package 2 Weight	1.346 kg
Unit Type of Package 3	S03
Number of Units in Package 3	32
Package 3 Height	30 cm

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Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	11.257 kg

Offer Sustainability

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
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