



## Main

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

## Complementary

Utilisation category	AC-7A AC-7B
Poles description	3P
Power pole contact composition	3 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	110 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 60947-5 IEC 61095
Connections - terminals	Control circuit: screw clamp terminals 1 cable(s) 2.5 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 2 cable(s) 2.5 mm <sup>2</sup> flexible without cable end Control circuit: screw clamp terminals 1 cable(s) 2.5 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm <sup>2</sup> flexible with cable end Control circuit: screw clamp terminals 1 cable(s) 1.5 mm <sup>2</sup> solid without cable end Control circuit: screw clamp terminals 2 cable(s) 1.5 mm <sup>2</sup> solid without cable end Power circuit: screw clamp terminals 1 cable(s) 25 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 2 cable(s) 16 mm <sup>2</sup> flexible without cable end Power circuit: screw clamp terminals 1 cable(s) 16 mm <sup>2</sup> flexible with cable end Power circuit: screw clamp terminals 2 cable(s) 4 mm <sup>2</sup> flexible with cable end Power circuit: screw clamp terminals 1 cable(s) 25 mm <sup>2</sup> solid without cable end Power circuit: screw clamp terminals 2 cable(s) 6 mm <sup>2</sup> 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 <sub>c</sub> at 50 Hz (at <50 °C) Operational: 0.85...1.1 U <sub>c</sub> 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

## Offer Sustainability

Sustainable offer status	Green Premium product
RECh Regulation	<a href="#">RECh Declaration</a>
RECh free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes

Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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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