



## Main

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

## Complementary

Utilisation category	AC-7B AC-7A
Poles description	3P
Pole contact composition	3 NO
[Ue] rated operational voltage	$\leq 250$ V AC
[Ie] rated operational current	63 A AC-7A 25 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	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 $\leq 440$ 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

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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 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	8.0 Cm
Package 1 Width	9.5 Cm
Package 1 Length	23.0 Cm
Package 1 Weight	330.0 G
Unit Type of Package 2	CAR
Number of Units in Package 2	4
Package 2 Height	8.0 Cm
Package 2 Width	9.5 Cm
Package 2 Length	23.0 Cm
Package 2 Weight	1.322 Kg

## Offer Sustainability

REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
California proposition 65	WARNING: This product can expose you to chemicals including: Antimony oxide & Antimony trioxide, which is known to the State of California to cause cancer. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**