

Product datasheet

Specifications



TeSys GC - modular contactor - 25 A - 2 NO - coil 12 V AC

Local distributor code:

402715074

GC2520J5

 **Discontinued on:** 9 Feb 2023

EAN Code: 3389110641400

 **Discontinued**

Main

Range	TeSys
product name	TeSys GC
Product or component type	Modular contactor
Device short name	GC25
Contactor application	Heating Lighting Motor control

Complementary

Utilisation category	AC-7A AC-7B
Poles description	2P
power pole contact composition	2 NO
[Ue] rated operational voltage	<= 250 V AC
[Ie] rated operational current	25 A AC-7A 8.5 A AC-7B
Operating position	30°/vertical
Control circuit type	AC at 50 Hz
[Uc] control circuit voltage	12 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV
[Ith] conventional free air thermal current	25 A (at 50 °C) for power circuit
Irms rated making capacity	68 A at 400 V AC for power circuit conforming to IEC 61095
Rated breaking capacity	68 A at 400 V for power circuit conforming to IEC 61095
[Icw] rated short-time withstand current	200 A 40 °C - 10 s for power circuit 62 A 40 °C - 30 s for power circuit
Associated fuse rating	25 A gL at <= 440 V for power circuit
Average impedance	2.5 mOhm - Ith 25 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	1.6 W
control type	Remote control

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 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
Product 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

Package 1 Height	9.0 cm
Package 1 Width	23.0 cm
Package 1 Length	8.0 cm
Package 1 Weight	106.0 g
Unit Type of Package 2	CAR
Number of Units in Package 2	12
Package 2 Height	8.0 cm
Package 2 Width	9.5 cm
Package 2 Length	23.0 cm
Package 2 Weight	1.458 kg

Contractual warranty

Warranty	18 months
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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 >](#)

Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	41
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	22b41634-57b5-448e-ae71-e445adac0d9e
REACH Regulation	REACH Declaration
Halogen content performance	Halogen free plastic parts product

Use Again

Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins