

# TeSys GC - modular contactor - 25 A - 4 NC - coil 24 V AC

Local distributor code: 402714800

2714800 GC2504B5

! Discontinued on: 15 Jul 2023

EAN Code: 3389110641608

#### Main

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

### Complementary

Utilisation category	AC-7B AC-7A
Poles description	4P
power pole contact composition	4 NC
[Ue] rated operational voltage	<= 250 V AC
[le] 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	24 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
[lcw] 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

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 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	1025 ms opening 1030 ms closing
Mechanical durability	1000000 cycles
Maximum operating rate	300 cyc/h 50 °C
Control circuit voltage limits	Drop-out: 0.20.75 Uc at 50 Hz (at <50 °C) Operational: 0.851.1 Uc at 50 Hz (at <50 °C)
Inrush power in VA	34 VA 50 Hz (at 20 °C)
Hold-in power consumption in VA	4.6 VA 50 Hz (at 20 °C)
Heat dissipation	1.6 W at 50/60 Hz

#### **Environment**

IP degree of protection	IP40 conforming to VDE 0106 (in enclosure) IP20 conforming to VDE 0106
Protective treatment	тс
Ambient air temperature for operation	-550 °C
Ambient air temperature for storage	-4070 °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, 5300 Hz Vibrations contactor closed: 3 Gn, 5300 Hz
Total number of 18 mm modules	2
Height	85 mm
Width	36 mm
Depth	62.5 mm
Net weight	0.23 kg
Quantity per set	Set of 6
Colour	White

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Package 1 Height	8.200 cm
Package 1 Width	9.500 cm
Package 1 Length	23.000 cm
Package 1 Weight	213.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.200 cm
Package 2 Width	9.500 cm
Package 2 Length	23.000 cm
Package 2 Weight	1281.000 kg
Unit Type of Package 3	BB2
Number of Units in Package 3	6
Package 3 Height	8.200 cm
Package 3 Width	9.500 cm
Package 3 Length	23.000 cm
Package 3 Weight	1.281 kg

## **Contractual warranty**

Warranty 18 months



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 >

#### **Use Better**

Materials and Substances	
EU RoHS Directive	Compliant with Exemptions
SCIP Number	361e1245-bdfb-4c55-bca5-ee0430c46917
Use Again	
○ Repack and remanufacture	