

# TeSys GC - modular contactor - 16 A - 2 NO + 2 NC - coil 220...240 V AC

Local distributor code:

23048719 GC1622M5

EAN Code: 3389110641363

#### Main

Range	TeSys
Product name	TeSys GC
Product or component type	Modular contactor
Device short name	GC16
Contactor application	Lighting Motor control Heating

### Complementary

Utilisation category	AC-7B AC-7A	
Poles description	4P	
power pole contact composition	2 NO + 2 NC	
[Ue] rated operational voltage	<= 250 V AC	
[le] rated operational current	16 A AC-7A 5 A AC-7B	
Operating position	30°/vertical	
Control circuit type	AC at 50 Hz	
[Uc] control circuit voltage	220240 V AC 50 Hz	
[Uimp] rated impulse withstand voltage	4 kV	
[Ith] conventional free air thermal current	16 A (at 50 °C) for power circuit	
Irms rated making capacity	40 A at 400 V AC for power circuit conforming to IEC 61095	
Rated breaking capacity	40 A at 400 V for power circuit conforming to IEC 61095	
[lcw] rated short-time withstand current	128 A 40 °C - 10 s for power circuit 40 A 40 °C - 30 s for power circuit	
Associated fuse rating	16 A gL at <= 440 V for power circuit	
Average impedance	2.5 mOhm - Ith 16 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	0.65 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) 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 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	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	TC	
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	3.600 cm

Package 1 Width	6.700 cm
Package 1 Length	8.000 cm
Package 1 Weight	204.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.200 cm
Package 2 Width	9.700 cm
Package 2 Length	23.100 cm
Package 2 Weight	1.282 kg
Unit Type of Package 3	S03
Number of Units in Package 3	48
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	11.001 kg

## **Logistical informations**

Country of origin FR

## **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 >

☑ Environmental footprint	
Total lifecycle Carbon footprint	27
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

<b>⊗</b> Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant
SCIP Number	602f090b-0363-4125-8a1d-b0ae6265eeec
REACh Regulation	REACh Declaration
Halogen-free status	Halogen free plastic parts product

### **Use Again**

○ Repack and remanufacture	
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins