

# Product datasheet

Specifications



## TeSys GC - modular contactor - 40 A - 3 NO - coil 220...240 V AC

Local distributor code:

23049776

GC4030M5

EAN Code: 3389110641714

### Main

Range	TeSys
Product name	TeSys GC
Product or component type	Modular contactor
Device short name	GC40
Contactor application	Motor control Heating Lighting

### Complementary

Utilisation category	AC-7B AC-7A
Poles description	3P
power pole contact composition	3 NO
[Ue] rated operational voltage	<= 250 V AC
[Ie] rated operational current	40 A AC-7A 15 A AC-7B
Operating position	30°/vertical
Control circuit type	AC at 50 Hz
[Uc] control circuit voltage	220...240 V AC 50 Hz
[Uimp] rated impulse withstand voltage	4 kV
[Ith] conventional free air thermal current	40 A (at 50 °C) for power circuit
Irms rated making capacity	120 A at 400 V AC for power circuit conforming to IEC 61095
Rated breaking capacity	120 A at 400 V for power circuit conforming to IEC 61095
[Icw] rated short-time withstand current	320 A 40 °C - 10 s for power circuit 100 A 40 °C - 30 s for power circuit
Associated fuse rating	40 A gL at <= 440 V for power circuit
Average impedance	2 mOhm - Ith 40 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	3.2 W
Control type	Remote control
Mounting mode	Clip-on
Mounting support	DIN rail

<b>Standards</b>	IEC 60947-5 IEC 61095
<b>Connections - terminals</b>	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
<b>Tightening torque</b>	Control circuit: 0.8 N.m - on screw clamp terminals Power circuit: 2 N.m - on screw clamp terminals
<b>Operating time</b>	10...25 ms opening 10...30 ms closing
<b>Mechanical durability</b>	1000000 cycles
<b>Maximum operating rate</b>	300 cyc/h 50 °C
<b>Control circuit voltage limits</b>	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)
<b>Inrush power in VA</b>	53 VA 50 Hz (at 20 °C)
<b>Hold-in power consumption in VA</b>	6.5 VA 50 Hz (at 20 °C)
<b>Heat dissipation</b>	2.1 W at 50/60 Hz

## Environment

<b>IP degree of protection</b>	IP40 conforming to VDE 0106 (in enclosure) IP20 conforming to VDE 0106
<b>Protective treatment</b>	TC
<b>Ambient air temperature for operation</b>	-5...50 °C
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Operating altitude</b>	<= 3000 m
<b>Mechanical robustness</b>	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
<b>Total number of 18 mm modules</b>	3
<b>Height</b>	85 mm
<b>Width</b>	54 mm
<b>Depth</b>	62.5 mm
<b>Quantity per set</b>	Set of 4
<b>Colour</b>	White

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	8.000 cm
<b>Package 1 Width</b>	9.500 cm
<b>Package 1 Length</b>	23.000 cm

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Package 1 Weight	300.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.000 cm
Package 2 Width	9.500 cm
Package 2 Length	23.000 cm
Package 2 Weight	1.260 kg
Unit Type of Package 3	S03
Number of Units in Package 3	32
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	10.590 kg

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## Logistical informations

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Country of origin FR

## Contractual warranty

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Warranty (in months) 18



## 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

Total lifecycle Carbon footprint	106 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	104 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
SCIP Number	602f090b-0363-4125-8a1d-b0ae6265ecec
EU RoHS Directive	<a href="#">Compliant</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
Halogen-free status	Halogen free plastic parts product

## Use Longer



### Lifetime extension

Repair	No
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## Use Again



### Repack and remanufacture

Recyclability potential, in %	62
End of life manual availability	No need of specific recycling operations
Take-back	Nej
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins