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Temperature controller with digital indicator Model SC64, panel mounting series

Applications

- Temperature control in large plant:
  - General machine building
  - Refrigeration technology
  - Domestic and industrial heating

Special features

- Temperature controller and digital indicator in a single instrument
- Long service life
- Simple operation
- High contact rating, up to 16 A
- For panel mounting



Temperature controller with digital indicator, model SC64

Description

The model SC64 is a temperature controller for simple thermostat applications. It features simple operation and a high switch rating.

Its round case enables the instrument also to be used in applications where mechanical controllers were used so far. In addition, the SC64 can handle significantly more switching cycles.

Data sheets showing similar products:
Expansion thermometer with micro switch; model SC15; see data sheet TV 28.02

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Standard version

Nominal size in mm
60

Sensor element
Pt100 resistance thermometer (preset), Pt1000 or PTC (selectable via software menu)

Measuring range
Pt100, Pt1000: -80 … +400 °C
PTC: -50 … +130 °C

Measuring accuracy
±1 K or ±0.5 % of measuring range (greater value applies)
The actual value display can be an integer or have a resolution of 0.5 K or 0.1 K

Display
3-digit LED display, 13 mm high, colour red

Power supply
Model SC64.230:
AC 230 V, 50/60 Hz, current consumption max. 20 mA

Model SC64.024:
AC 12 ... 24 V, DC 16 ... 36 V, current consumption max. 30 mA

Switching output
Relay output AC 250 V/16 A (2.2 A inductive load), contact normally open

Electrical connections
Pin 1 up to 4: Fast-on connection 6.3 x 0.8 mm
Pin 5 and 6: Fast-on connection 2.8 x 0.5 mm

Case
Plastic, black

Weight
approx. 200 g

Ingress protection
Front panel IP 65 (for panel mounting)
Terminals IP 00

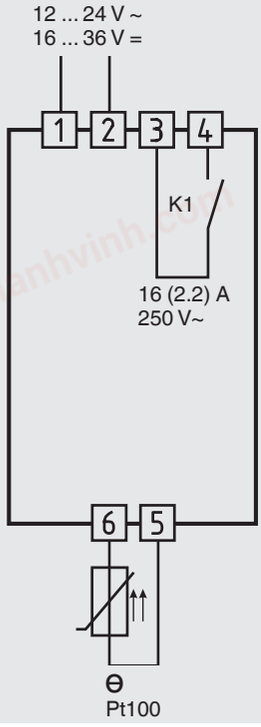
Mounting option
Panel mounting with mounting bracket

Permissible ambient conditions

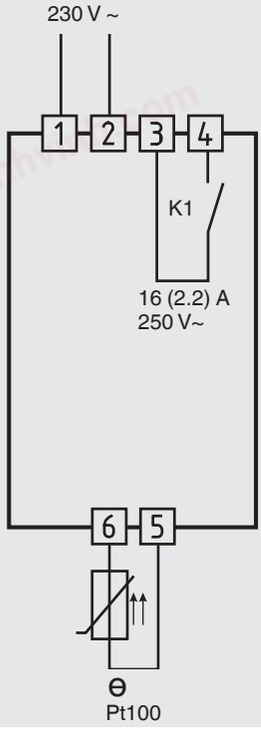
Storage temperature	-20 … +70 °C
Operating temperature	0 … 50 °C
Relative humidity	max. 75 %, non-condensing

Connection diagram

Model SC64.024

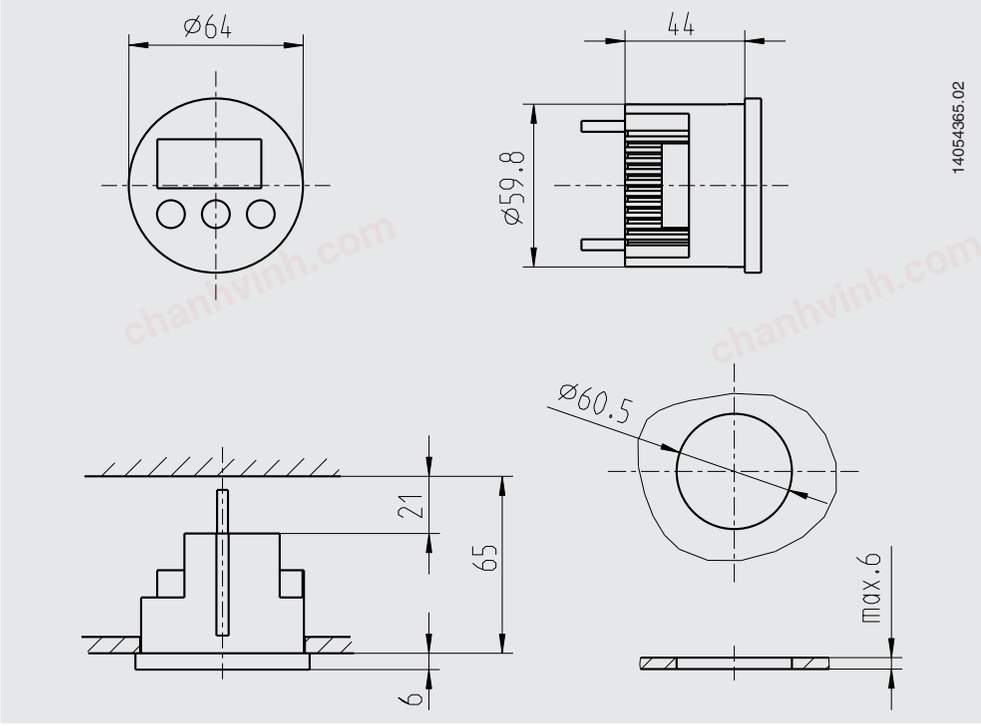


Model SC64.230



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Dimensions in mm



CE conformity

EMC directive
2004/108/EC, EN 61326 Emission (group 1, class B) and interference immunity (industrial application)

Low voltage directive
2006/95/EC, EN 60730-1 and EN 60730-2-9

Order information

Instrument version	Order nummer
Model SC64.230 (AC 230 V)	14054687
Model SC64.024 (AC 12 ... 24 V or DC 16 ... 36 V)	14054709

Ordering information

To order the described product the given order number is sufficient.

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