TI3-40B | Temperature input, 4 channels

EAN code
TI3-40B: 8595188132695

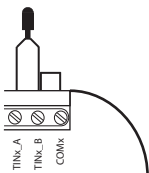| Technical parameters	TI3-40B
Input	
Temperature input for temperature measuring:	4x inputs for external thermo sensor*
Emperature measurement range:	by type of sensor, prob from -50°C to 400°C
Converter resolution:	15 bit
Communication	
Installation BUS:	BUS
Status indication unit:	green LED RUN
Power supply	
Supply voltage/tolerance:	27 V DC, -20/+10 %
Dissipated power:	max. 1 W
Rated current:	20 mA (at 27 V DC), from BUS
Connection	
Terminal:	0.5 mm² - 1 mm²
Operating conditions	
Operating temperature:	-20 to +55 °C
Storing temperature:	-30 to +70 °C
Protection degree:	IP30
Overvoltage category:	II.
Pollution degree:	2
Operating position:	any
Installation:	into installation box
Dimensions and weight	
Dimensions:	49 x 49 x 13 mm
Weight:	27 g

*TC, TZ, Ni1000, Pt1000, Pt100, see accessories

Connection options

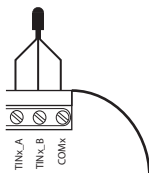**2-wire**
- it is necessary to connect terminals TIN_B and COM

3-wire
- connection of the sensor needs to be done according to the technical specifications

- The unit is designed for connection of up to four (TI3-40B) external temperature sensors.
- Units range TI3 support the connection of the following temperature sensors:
  - TC/TZ - 2-wire connections
  - Ni1000, Pt1000, Pt100 - 2-wire and 3-wire connections
- Used in when necessary to take temperatures from different places (for example large floor heating – diagonal layout of sensors, floor/space, indoor/outdoor temperature, technological device – boiler, solar heating etc.)
- Status of units indicated by green RUN LED on the front panel:
  - if the supply voltage is connected (units are powered via the BUS), but there is no communication with the master, RUN LED is lit continuously.
  - if the supply voltage is connected and the unit communicates via standard BUS, RUN LED flashes.
- TI3-40B in version B is designed for mounting into an installation box.

Connection

TI3-40B