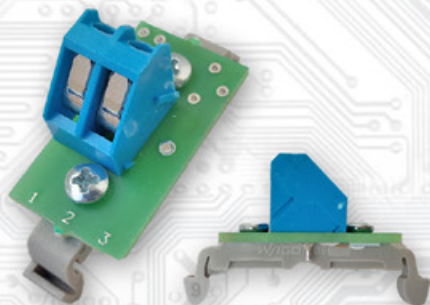




The RTS... type temperature sensor is intended for temperature measurement in switchboard cabinets. Thanks to its simple construction, it can be placed directly on the TS35 DIN rail. The measuring element can be all commonly available temperature sensors that are compatible with the control systems of the companies TECO, Siemens, Sauter, Honeywell, SAIA, Johnson Controls, Landis and GYR, AMiT, Staefa Controls, Loxone, Unipi, etc., i.e. both resistance temperature sensors type (Pt, Ni), as well as NTC, PTC or 1-wire Dallas sensors.

Basic technical parameters:

Type of temperature sensor	see table
Connection	2 - wire 3 - wire (sensors DS...)
Protection type	IP00 (EN 60529)
Temperature range	-25 ÷ 65 °C
Terminal board	COB 5/2 (COB5/3), wires max. 1,5 mm ²
Dimensions	42 x 16 x 25 mm

Overview of types:

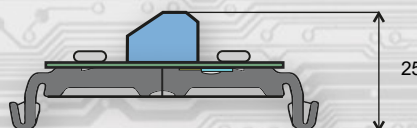
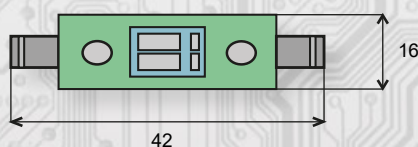
Version	RTS-P	RTS-PA	RTS-PB	RTS-S	RTS-L	RTS-J	RTS-SA	RTS-H	RTS-N
Sensing element	Pt100	Pt1000	Pt500	Ni1000/6180	Ni1000/5000	Ni891	Ni10000/6180	NTC 20kΩ	Ni2226
Recommended current	1 mA	0,1 mA	0,7 mA	0,1 mA	0,1 mA	0,1 mA	0,01 mA	*	0,1 mA
Current max.	5 mA	1 mA	3 mA	1 mA	1 mA	1 mA	0,5 mA	*	0,7 mA

* the sensor RTS-H is non-linear, we recommended max. power loss 10 mW

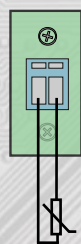
Version	RTS-	RTS-JA	RTS-JB	RTS-JC	RTS-DB	RTS-D
Sensing element	KTY81*	PTC99	NTC10k	NTC12k	DS18B20	DS18S20
Recommended current	1 mA	1 mA	1 mA	1 mA	---	---
Current max.	5 mA	5 mA	5 mA	5 mA	---	---

*...KTY81-110..... **RTS-KA**
 KTY81-210..... **RTS-KC**
 KTY81-120..... **RTS-KD**

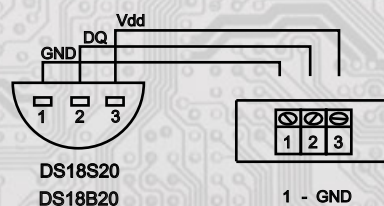
Dimensions:



Wiring diagram:

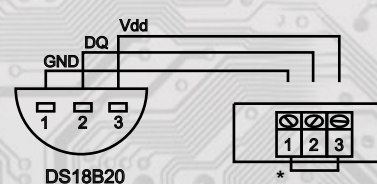


Connection RTS-D (DB)



- 1 - GND
- 2 - DQ output
- 3 - VDD power supply 5 V

Connection RTS-DB



* For RTS-DB type can be used 2-wire sensor connection