

Technical data

Control voltage U_s :

AC/DC 24-240 V, 0/45...65 Hz, < 5VA

DC: 20.4...297 V, AC: 20.4...264 V

Relay output:

1 change-over contact (CO)

Switching voltage

max. AC 415 V

Switching current

max. 5 A

Breaking capacity

max. 2000 VA (resistive load)

max. 120 W at DC 24 V

Reduction factor at $\cos \varphi$ 0.7

0.5

UL electrical ratings:

250 V ac, 3 A, general use

240 V ac, 1/4 hp, 2.9 FLA

120 V ac, 1/10 hp, 3.0 FLA

C 300

D300 1 A 240 VAC

Nominal operating current I_e :

AC15

$I_e = 1$ A

$U_e = 400$ V

$I_e = 2$ A

$U_e = 250$ V

DC13

$I_e = 2$ A

$U_e = 24$ V

$I_e = 0.2$ A

$U_e = 125$ V

$I_e = 0.1$ A

$U_e = 250$ V

Recommended series fuse

T 3.15 A (gL)

Contact service life, mech.

1×10^7 operating cycles

Contact service life, electr.

1×10^5 operating cycles at AC 250 V / 5 A

2×10^5 operating cycles at AC 250 V / 3 A

6×10^5 operating cycles at AC 250 V / 1 A

Temperature measurement:

Measurement time sensor

0.25...3s (dependent on the number of sensors)

Measurement time sensor

0.25...30s (for measurement cycle of one sensor)

Measurement range

-199°...850°C

Resolution

1°C

Sensor connection

12x Pt 100 acc EN 60751, connection of Ni100 and Ni120 sensors possible. Conversion of the measured values must be performed in the evaluation unit.

	Measurement range °C		Short-circuit Ohm	Interruption Ohm	Sensor resistance + line resistance Ohm
Sensor	min	max	<	>	max
Pt 100	-199	860	15	400	500

Tolerance

± 0.5 % of measurement ± 1 K

Sensor current

≤ 0.8 mA

Temperature drift

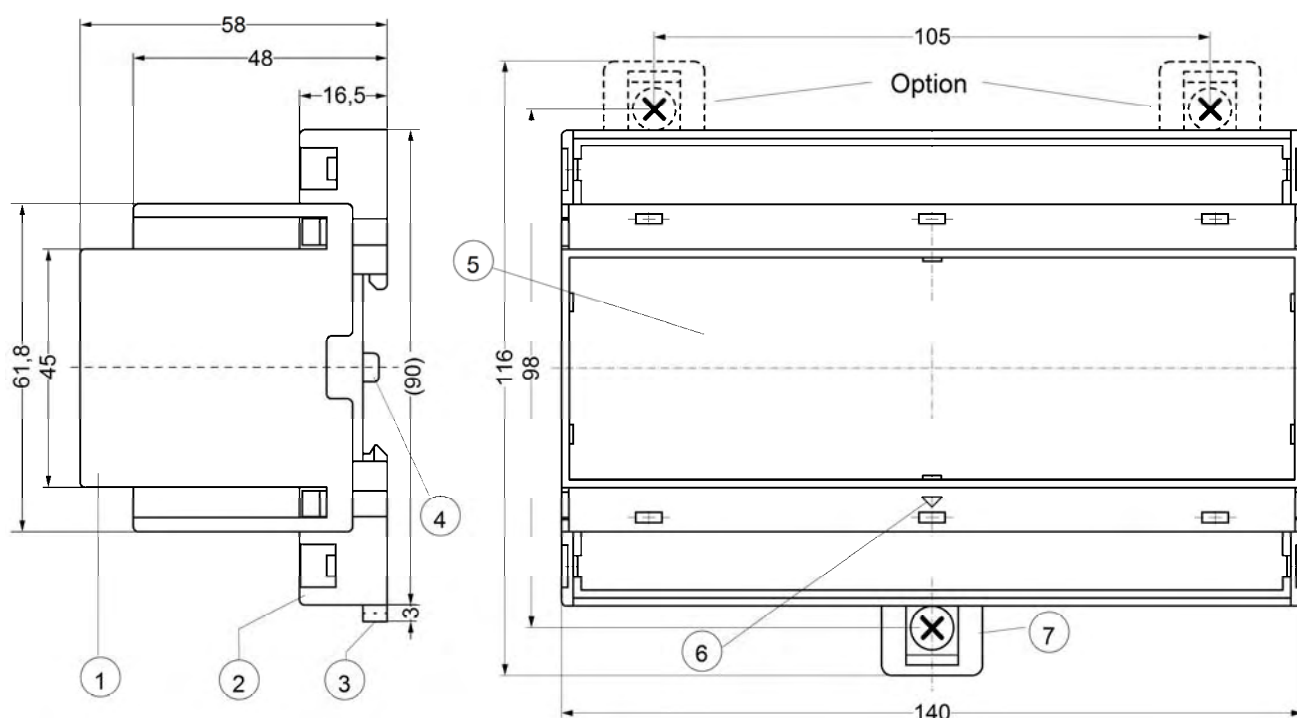
< 0.04 °C/K

Ethernet interface

Transmission speed	10 MBit/s
IP address	Standard: 192.168.1.100, adjustable
Subnetwork mask	Standard: 255.255.255.0, adjustable
UDP port	Standard: 5000 (5001), adjustable
Max cable length	20m when using CAT 5 patch cable
Max response time RTD / Modbus	< 700 µs
Test conditions	EN 61010
Rated impulse withstand voltage	4000 V
Surge category	III
Pollution level	2
Rated insulation voltage Ui	300 V
Operating time	100 %
Permissible ambient temperature during operation	-20 °C ... +65 °C
	EN 60 068-2-2 dry heat
EMC - noise immunity	EN 61000-6-2
EMC - noise emission	EN 61000-6-4
Galvanic insulation	
Control voltage – Measurement input	DC 3820 V
Ethernet - Control voltage – Measurement input	DC 500V
Housing	Type V8, distribution board
Dimensions (W x H x D)	140 x 90 x 58 mm
Front-to-back size / Width 55 mm / 8 TE	
Wiring connection single strand	each 1 x 1.5 mm ²
Finely stranded with wire end ferrule	each 1 x 1.0 mm ²
Starting torque	
of the terminal screw	0.5 Nm (3.6 lb.in)
Protection class housing / terminals	IP 30 / IP20
Mounting position	Arbitrary
Mounting	Snap-on fastening standard rail
	35 mm acc EN 60715 or
	Fasten with screws (with 2 additional bars)
Weight:	Approx. 350 g

Technical changes may take place

Construction V8



- 1 cover
- 2 base
- 3 bar for snap mounting
- 4 latch for sealing
- 5 front panel
- 6 position downward
- 7 for fixing to wall with screws, Ø 4,2 mm.

Ordering data

Product name

RTD-Box TR1200 IP

Distributed Input-box for 12 RTD-connection Pt100

Rail mounting plastic, Protection class IP21

1 Ethernet Interface for communication with SIPROTEC devices
for measurements and fault reports.

Wide range power supply AC / DC 24-240V

Order No.:

7XV56 6 2 - 8 A D 1 0

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