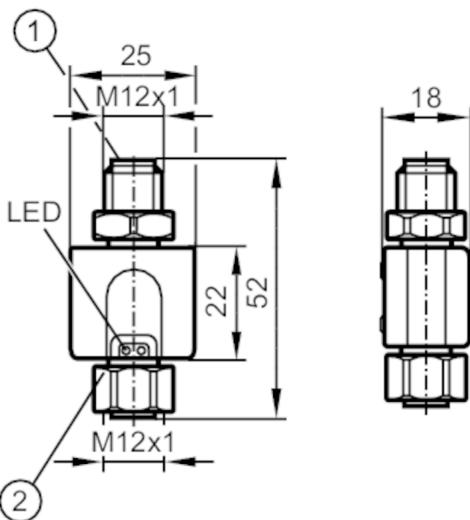


TP3232



Evaluation unit for PT100/PT1000 temperature sensors

TP- CEC -A-ZVG/US/



- 1 connection for voltage supply and output signals
2 connection for temperature sensor



Product characteristics

Number of inputs and outputs	Number of analog outputs: 1
Measuring range	-50...300 °C / -58...572 °F
Communication interface	IO-Link

Application

System	gold-plated contacts
Application	for Pt100 and Pt1000 measuring elements

Electrical data

Operating voltage [V]	20...32 DC
Protection class	III
Reverse polarity protection	yes
Power-on delay time [s]	1
Integrated watchdog	yes

Inputs / outputs

Number of inputs and outputs	Number of analog outputs: 1
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Outputs

Total number of outputs	1
Output signal	analog signal; IO-Link; (configurable)
Number of analog outputs	1
Analog current output [mA]	4...20
Max. load [Ω]	300
Short-circuit protection	yes
Type of short-circuit protection	yes (non-latching)
Overload protection	yes

Measuring/setting range

Measuring range	-50...300 °C / -58...572 °F
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TP3232

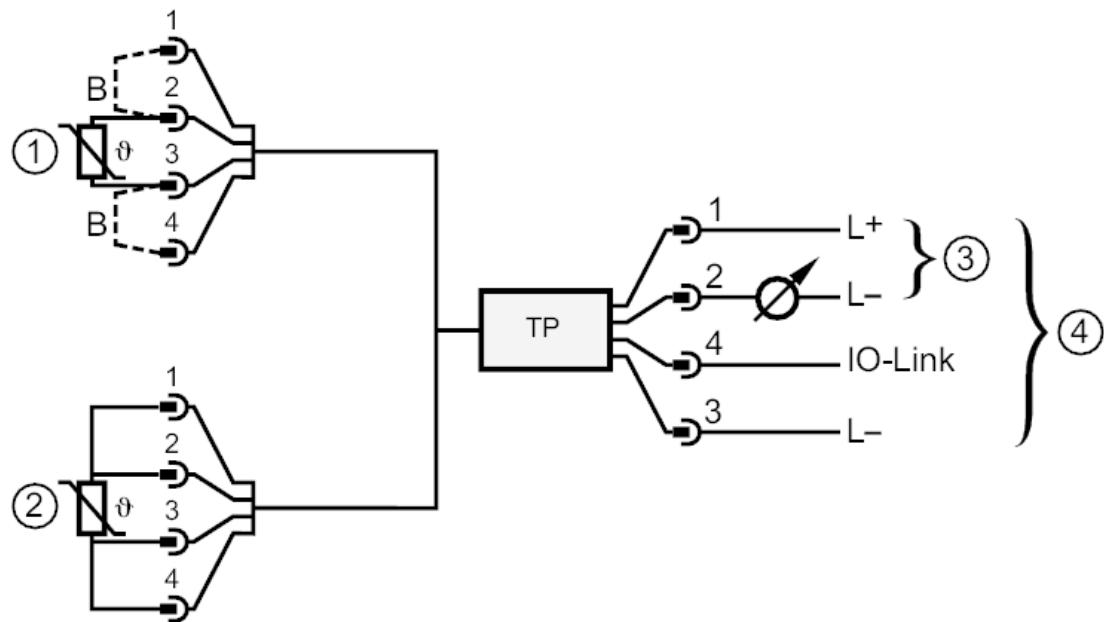


Evaluation unit for PT100/PT1000 temperature sensors

TP- CEC -A-ZVG/US/

Factory setting	-50...300 °C
Accuracy / deviations	
Precision analog output [K]	± 0,3 + (± 0,1 % MS)
Temperature coefficient [% of the span / 10 K]	0,1
Reaction times	
Max. measuring/display cycle [ms]	100
Interfaces	
Communication interface	IO-Link
Transmission type	COM2 (38,4 kBaud)
IO-Link revision	1.0
Operating conditions	
Ambient temperature [°C]	-25...70
Storage temperature [°C]	-40...85
Protection	IP 67
Tests / approvals	
EMC	EN 61326-1
Shock resistance	DIN IEC 68-2-27
Vibration resistance	DIN IEC 68-2-6
MTTF [years]	449
Mechanical data	
Weight [g]	40.5
Dimensions [mm]	M12 x 1
Thread designation	M12 x 1
Material	PA; PET
Sealing material	FKM
Remarks	
Remarks	cULus - Class 2 source required MS = set measuring span
Pack quantity	1 pcs.
Electrical connection	
Connector: 1 x M12; coding: A; Moulded body: TPU (urethane); Locking: stainless steel (1.4404 / 316L); sealing: FKM; Contacts: gold-plated	

Connection



- 1: Two-wire sensor
- 2: Four-wire sensor
- 3: Operation as 2-wire temperature transmitter
- 4: Operation as 3-wire unit, IO-Link communication possible
- B: bridge