



<b>Identification</b>	Type	WPT 6-0810
	Part-No.	750810

**Input**

Measurement input	PT100, 2-wire, offset correction
Galvanic isolation I/O	3-way disconnection
Temperature range	-50–50 °C / -50–100 °C / -50–150 °C / 0–100 °C / 0–150 °C / 0–200 °C / 0–300 °C / 0–400 °C - adjustable via switch
Transmission frequency	10 Hz
Input resistance	1 MΩ
Sensor current	0.5 mA
Zero /Span	Production comparison

**Load Side**

	0/10 V	0–20 mA	4–20 mA
Max. load impedance at I-output		400 Ω	400 Ω
Max. load impedance at U-output	>1 kΩ		
Load impedance	55 Ω		
Output current	max. 21 mA		
Output signal	Adjustable via switch		
Ripple	<5 mV <sub>eff</sub>		

**General**

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Part-No. 750810

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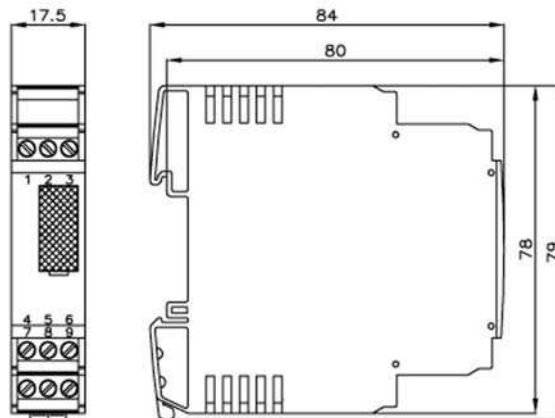


SYSTEMATIC TECHNOLOGY

## Technical data sheet - Interface Technology

Nominal voltage	AC/DC 24 V
Operation voltage range	DC: 16,8–30 V, AC: 19,2–28,8 V
Rated current	8.0 mA
Status Indication	LED yellow, blinks for wire break and output goes to a saturated state
Input/output protection	Overvoltage AC/DC 30 V, Output short circuit-proof
Accuracy	0.3 % FSR
Linearity error	0.1 % FSR
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Error coefficient of measuring line	2.7 K/Ω
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	4.0 kV <sub>eff</sub>
Housing material	PPE
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation position	Optional
Termination	Screw terminal: 0.14–2.5 mm <sup>2</sup>
Operation temperature range	-25 °C – 60 °C
Storage temperature range	-40 °C – 85 °C
Dimensions (w × h × d)	17.5×79.0×84.0 mm
Weight (kg/piece)	0.060 kg/piece
Approvals	cULus, Class I, Div. 2, Groups A, B, C, D T4A
Standards	EN 60721-3-3, EN 55011, EN 61000-4-2/6, EN 50178, contamination level 2, Over voltage category III
PU	1

### Dimensions



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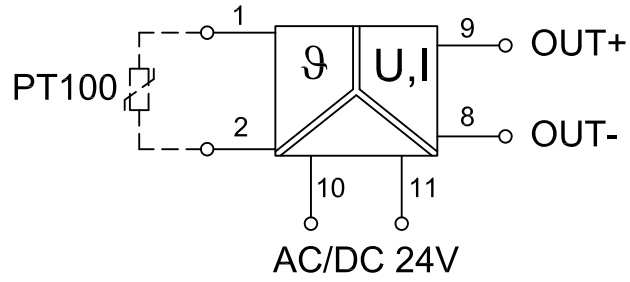
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**PIN assignment**



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SYSTEMATIC TECHNOLOGY

**Range adjustment**

S1	
Range	Pos.
-50 – 50°C	0
-50 – 100°C	1
-50 – 150°C	2
0 – 100°C	3
0 – 150°C	4
0 – 200°C	5
0 – 300°C	6
0 – 400°C	7

● → Switch On	S2			
Output	1	2	3	4
0-10V	●			
0-20mA		●		
4-20mA			●	

**Accessories**

Accessories	Colour	Article number	Type	PU
Tag holder 7×20 mm	white	760968	BZT-0720	100
Laser printer label 6.35×15.24 mm (sheet with 528 labels)		681033	LEB-0615	1

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