



Identification	Type	WPT 6-1816
	Part-No.	751816

Input

Measurement input	PT100, 3-wire
Galvanic insulation I/O	3-way isolation
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	240 kΩ
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 _{eff}		

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SYSTEMATIC TECHNOLOGY

General

	750816/751816	750817/751817
Nominal voltage	AC/DC 24 V	AC/DC 24–240 V
Operation voltage range	DC: 16,8–30 V, AC: 19,2–28,8 V	DC: 16.8–264 V, AC: 19.2–264 V
Termination	Screw-/spring terminal 0.14–2.5 mm ²	Screw-/spring terminal 0.14–2.5 mm ²
Nominal voltage	AC/DC 24 V	
Operation voltage range	DC: 16,8–30 V, AC: 19,2–28,8 V	
Rated current	10.0 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	0.1 K + 0.1 %/Ω	
Temperature coefficient	150 ppm / K FSR	
Insulation voltage input/output	4.0 kV _{eff}	
Housing material	PPE	
Field installation	rail TS 35 (EN 50022)	
Protection class	IP 20	
Installation position	Optional	
Termination	Spring terminal 0.14–2.5 mm ²	
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)	0.070 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	

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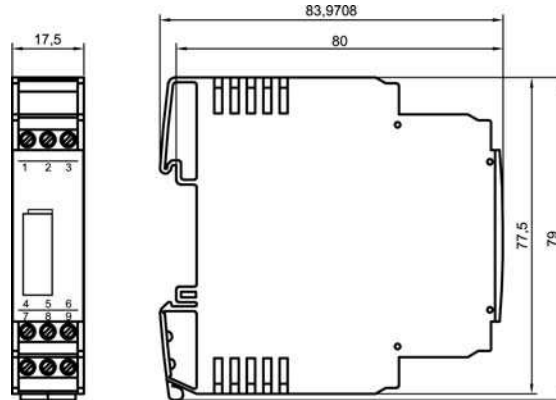
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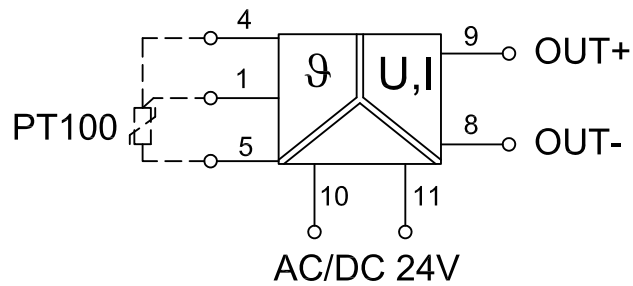


SYSTEMATIC TECHNOLOGY

Dimensions



PIN assignment



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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	Color	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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