



Identification	Type	WPT 7-1829		
	Part-No.	751829		
Input				
Measurement input	PT100 2/3/4-conductor – adjustable via switch			
Galvanic insulation I/O	3-way isolation			
Temperature range	-50–150 °C / 0–100 °C / 0–200 °C – adjustable via switch			
Transmission frequency	10 Hz at 3 dB			
Input resistance	1 MΩ with 2-conductor, 240 kΩ with 3 and 4-conductor			
Sensor current	0.5 mA			
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}			
General				

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Part-No. 751829

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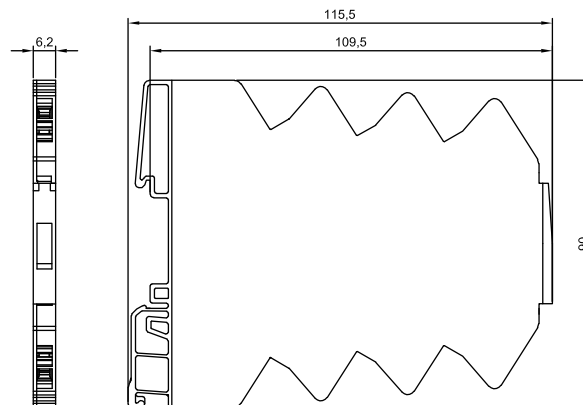
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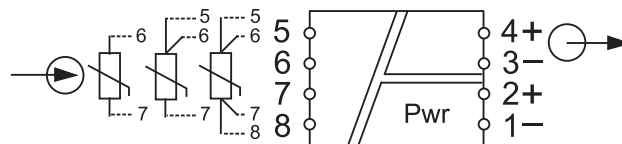
Technical data sheet · Interface Technology

Nominal voltage	DC 24 V
Operation voltage range	DC: 16.8–30 V
Rated current	13.0 mA
Status Indication	LED yellow, blinks for wire break and output goes to a saturated state
Input/output protection	DC 30 V overvoltage, short circuit-proof output
Accuracy	0.3 % FSR (23 °C)
Linearity error	0.10 %, FSR (23°C)
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Error coefficient of measuring line	2.7 K /Ω with 2-conductor, 0.1 K + 0.1%/Ω with 3 and 4-conductor
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	2.5 kV _{eff}
Housing material	PA 6.6 (UL 94 V-0)
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation position	Optional
Termination	Spring terminal 0.14–1.5 mm ²
Operation temperature range	-25 °C – 60 °C
Storage temperature range	-40 °C – 85 °C
Dimensions (w × h × d)	6.2 × 90.0 × 115.5 mm
Weight (kg/piece)	0.050 kg/piece
Approvals	cULus, Class I, Div. 2, Groups A, B, C, D T4A
PU	1

Dimensions



PIN assignment



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Range adjustment

• → Switch On	S2			
Input configuration	1	2	3	4
2 wire / 2-Leiter	•		•	•
3 wire / 3-Leiter		•		
4 wire / 4-Leiter	•			

• → Switch On		S1					
Input	Output	1	2	3	4	5	6
-50 - 150 °C	0-10 V						
-50 - 150 °C	0-20 mA		•				
-50 - 150 °C	4-20 mA			•			
0 - 100 °C	0-10 V		•	•			
0 - 100 °C	0-20 mA				•		
0 - 100 °C	4-20 mA		•		•		
0 - 200 °C	0-10 V			•	•		
0 - 200 °C	0-20 mA		•	•	•		
0 - 200 °C	4-20 mA					•	

Accessories

Accessories	Color	Article number	Type	PU
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Accessories

Accessories	Color	2-pole	3-pole	4-pole	8-pole	16-pole	PU
6 A jumper comb	red	762802	762805	762812	762822	762832	10
6 A jumper comb	white	762803	762806	762813	762823	762833	10
6 A jumper comb	blue	762804	762807	762814	762824	762834	10

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