



Identification	Type	WPT 7-1803
	Part-No.	751803

Input

Measurement input	PT100, 2-wire, offset correction
Galvanic isolation I/O	2-way isolation
Temperature range	- 50–150 °C / 0–100 °C / 0–200 °C—adjustable via DIP switch S1
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 DIP switch S1		
Ripple	<5 mV _{eff}		

General

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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	1.5 kV _{eff}
Housing material	PPE
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)	6.2×90.0×92.5 mm
Weight (kg/piece)	0.040 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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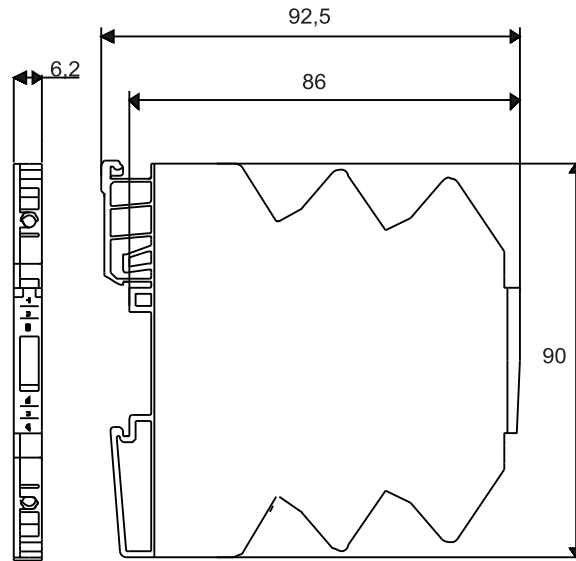
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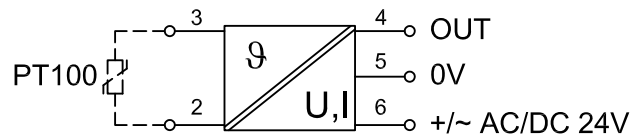


SYSTEMATIC TECHNOLOGY

Dimensions



PIN assignment



Range adjustment

● → SwitchOn		S1					
Range	Output	1	2	3	4	5	6
-50-150°C	0-10V						
-50-150°C	0-20mA	●					
-50-150°C	4-20mA		●				
0-100°C	0-10V		●	●			
0-100°C	0-20mA				●		
0-100°C	4-20mA		●	●			
0-200°C	0-10V		●	●	●		
0-200°C	0-20mA		●	●	●		
0-200°C	4-20mA					●	

Accessories

Accessories	Colour	Article number	Type	PU
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5
Labels for laser printer 4,23x11mm (Sheet with 1056 labels)		681034	LEB 0411	1

Accessories

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

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