



<b>Identification</b>	Type	WTH 7-1876
	Part-No.	751876

**Input**

Measurement input	Type K (NiCrNi) with DIN / IEC 584-1
Galvanic isolation I/O	2-way isolation
Temperature range	0 – 300 °C
Transmission frequency	10 Hz
Input resistance	330 kΩ
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	4–20 mA		
Max. load impedance at I-output	Rs= (Us–14 V) / 20 mA		
	Rs= Load resistance, Us= Input terminal voltage at the power supply		
Ripple	<5 mV <sub>eff</sub>		

**General**

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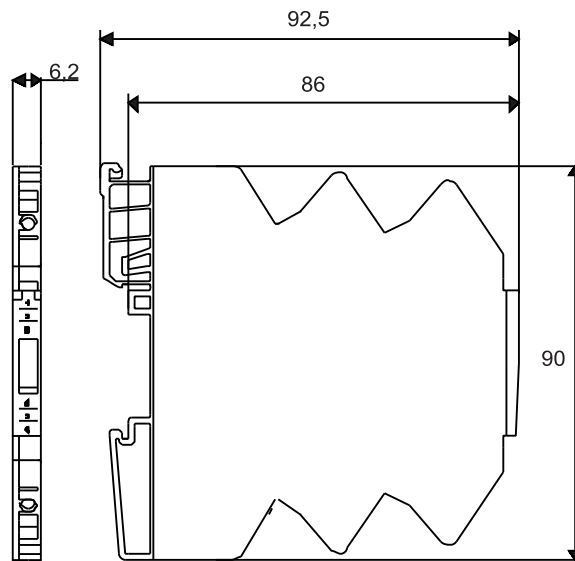
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## Technical data sheet - Interface Technology

Nominal voltage	looped supply
Operation voltage range	$U_{Smin} = 14 \text{ V} + 20 \text{ mA} \times R_s$ ; $U_{Smax} = 28 \text{ V} + 20 \text{ mA} \times R_s$
Accuracy	0.5 % + 2 K FSR
Linearity error	0.1 % FSR, thermoelectrical potential linear
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	1.5 kV <sub>eff</sub>
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 <sup>2</sup>
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
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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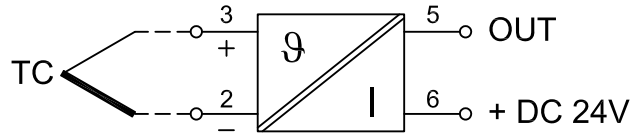
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SYSTEMATIC TECHNOLOGY

# Technical data sheet - Interface Technology

## PIN assignment



## 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 A4 unpunched		681031	LEB - A4	1
Labels for laser printer 4.23 x 11 mm (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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