



<b>Identification</b>	Type	WTH 7-1861
	Part-No.	751861

**Input**

Measurement input	Type K ( NiCrNi) with DIN / IEC 584-1
Galvanic isolation I/O	3-way isolation
Temperature range	Settings according to customer order. : -50°C...+1200°C.Please specify temperature range when ordering. Please observe: Smallest temperature span 200°C.
Transmission frequency	10 Hz
Input resistance	330 kΩ
Zero /Span	Production comparison

**Load Side**

	<b>750861/751861</b>	<b>750860/751860</b>
Output signal	0 – 10 V	4–20 mA
Max. load impedance at I-output		400 Ω
Max. load impedance at U-output	>1 kΩ	
Load impedance	55 Ω	–
Output current	max. 21 mA	–
Output signal	0 – 10 V	
Max. load impedance at U-output	>1 kΩ	
Load impedance	55 Ω	
Output current	max. 21 mA	

20.04.2013 – Subject to technical modification

Part-No. 751861

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SYSTEMATIC TECHNOLOGY

## Technical data sheet - Interface Technology

Ripple <5 mV<sub>eff</sub>

### General

	750861/751861	750860/751860
Output signal	0 – 10 V	4–20 mA
Max. load impedance at I-output		400 Ω
Max. load impedance at U-output	>1 kΩ	
Load impedance	55 Ω	
Output current	max. 21 mA	
Nominal voltage	AC/DC 24 V; 0–10 V	
Nominal voltage	AC/DC 24 V	
Operation voltage range	DC: 16.8–30 V; AC: 19.2–28.8 V	
Rated current	13.0 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	0.5 % + 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 0.14–2.5 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	

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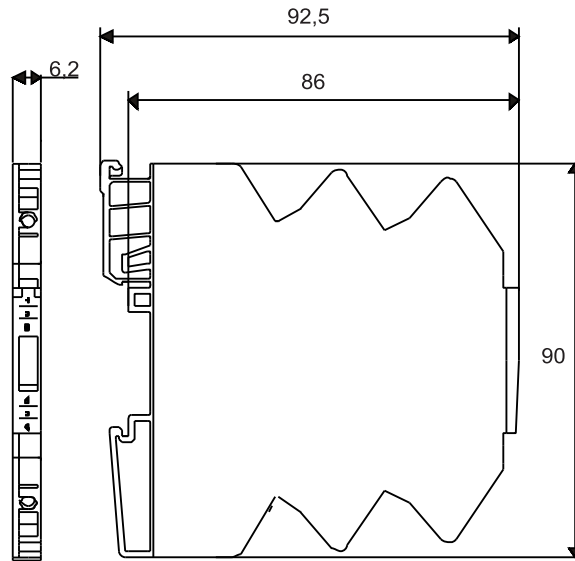
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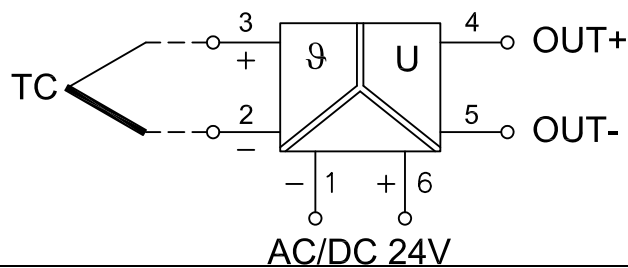


SYSTEMATIC TECHNOLOGY

**Dimensions**



**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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