



<b>Identification</b>	Type	WTH 7-1847
	Part-No.	751847

**Input**

Measurement input	J (FeCuNi), K (NiCrNi) according to DIN / IEC 584-1
Galvanic insulation I/O	3-way isolation
Temperature range	-50–200 °C / -50–350 °C / 0–200 °C / 0–400 °C / 0–600 °C / 0–800 °C / 0–1000 °C / 0–1200 °C – adjustable via switch
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	Adjustable via switch		
Ripple	<5 mV <sub>eff</sub>		

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Part-No. 751847

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SYSTEMATIC TECHNOLOGY

## Technical data sheet · Interface Technology

### General

	<b>750844/751844</b>	<b>750847/751847</b>
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 <sup>2</sup>	Screw-/spring terminal 0.14–2.5 mm <sup>2</sup>
Nominal voltage	AC/DC 24–240 V	
Operation voltage range	DC: 16.8 – 264 V, AC: 19.2 – 264 V	
Rated current	10.0 mA	
Status Indication	LED yellow, flashes in the event of wire breakage and output will saturate	
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	4.0 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)	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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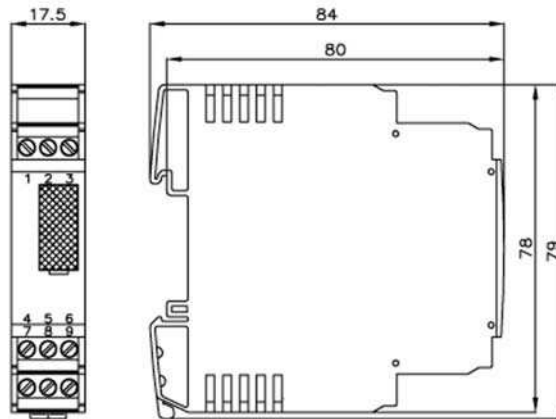
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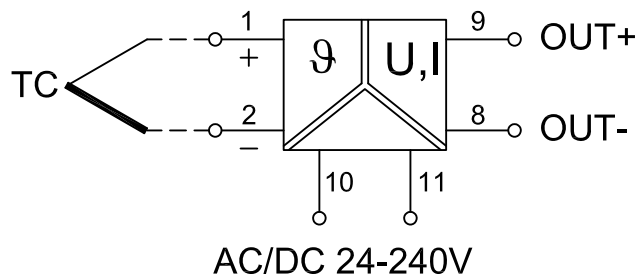


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Dimensions



PIN assignment



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**Range adjustment**

S1			
Range (J)	Pos.	Range (K)	Pos.
-50 – 200°C	0	-50 – 200°C	8
-50 – 350°C	1	-50 – 350°C	9
0 – 200°C	2	0 – 200°C	A
0 – 400°C	3	0 – 400°C	B
0 – 600°C	4	0 – 600°C	C
0 – 800°C	5	0 – 800°C	D
0 – 1000°C	6	0 – 1000°C	E
0 – 1200°C	7	0 – 1200°C	F

● → Switch On	S2			
Output	1	2	3	4
0-10V	●			
0-20mA		●		
4-20mA			●	

**Accessories**

Accessories	Color	Article number	Type	PU
Jumper comb 24-pin, 26 A	blue	760801	BK 6-0801	5
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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