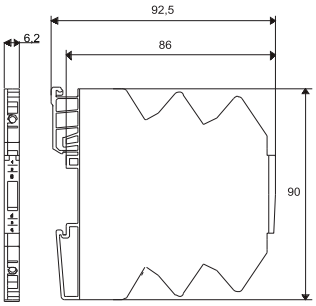
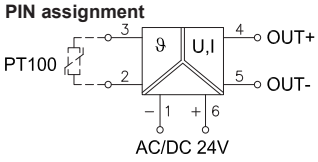
Input: PT100, 2-conductor – with adjustable temperature range from - 50 °C to + 200 °C
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 1.5 kV, 3-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		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					●	

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750809	WPT 7-0809	1
Spring terminal				
Nominal voltage	AC/DC 24 V	751809	WPT 7-1809	1

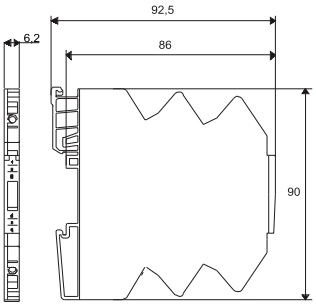
Input	**PT 100**		
Measurement input	PT100, 2-wire, offset correction		
Galvanic isolation I/O	3-way isolation		
Temperature range	-50–150 °C / 0–100 °C / 0–200 °C – adjustable via switch		
Transmission frequency	10 Hz		
Input resistance	1 MΩ		
Sensor current	0.5 mA		
Zero /Span	Production comparison		
Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		
General			
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	0.3 % 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	PA 6.6 (UL 94 V-0)		
Field installation	rail TS 35 (EN 50022)		
Protection class	IP 20		
Installation postition	Optional		
Termination	Screw-/spring terminal 0.14–2.5 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		
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		

Accessories	**Colour**	**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

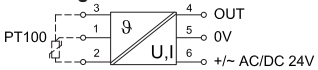
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Input: PT100, 3-conductor – with adjustable temperature range from - 50 °C to + 200 °C
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 1.5 kV, 2-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		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						●

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750819	WPT 7-0819	1
Spring terminal				
Nominal voltage	AC/DC 24 V	751819	WPT 7-1819	1

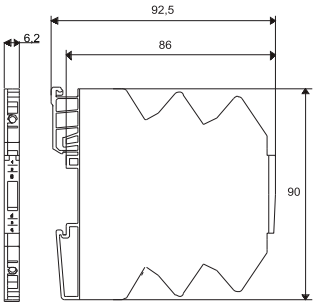
Input	**PT 100**		
Measurement input	PT100, 3-wire		
Galvanic isolation I/O	2-way isolation		
Temperature range	-50–150 °C / 0–100 °C / 0–200 °C – adjustable via switch		
Transmission frequency	10 Hz		
Input resistance	240 kΩ		
Sensor current	0.5 mA		
Zero /Span	Production comparison		
Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		
General			
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	0.1 K + 0.1 %/Ω		
Temperature coefficient	150 ppm / K FSR		
Insulation voltage input/output	1.5 kV_{eff}		
Housing material	PA 6.6 (UL 94 V-0)		
Field installation	rail TS 35 (EN 50022)		
Protection class	IP 20		
Installation postition	Optional		
Termination	Screw-/spring terminal 0.14–2.5 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		
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		

Accessories	**Colour**	**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

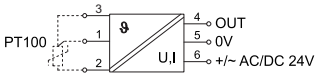
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Input: PT100, 3-conductor – with adjustable temperature range from - 0 °C to + 200 °C
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 1.5 kV, 2-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		S1					
Range	Output	1	2	3	4	5	6
0 – 50°C	0-10V						
0 – 50°C	0-20mA		●				
0 – 50°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					●	

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750855	WPT 7-0855	1
Spring terminal				
Nominal voltage	AC/DC 24 V	751855	WPT 7-1855	1

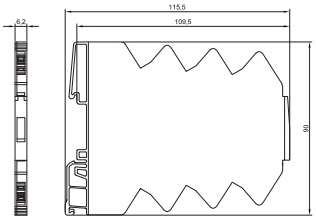
Input	**PT 100**		
Measurement input	PT100, 3-wire		
Galvanic isolation I/O	2-way isolation		
Temperature range	0–50 °C / 0–100 °C / 0–200 °C – adjustable via switch		
Transmission frequency	10 Hz		
Input resistance	240 kΩ		
Sensor current	0.5 mA		
Zero /Span	Production comparison		
Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		
General			
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	0.1 K + 0.1 %/Ω		
Temperature coefficient	150 ppm / K FSR		
Insulation voltage input/output	1.5 kV_{eff}		
Housing material	PA 6.6 (UL 94 V-0)		
Field installation	rail TS 35 (EN 50022)		
Protection class	IP 20		
Installation postition	Optional		
Termination	Screw-/spring terminal 0.14–2.5 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		
Approvals	–		
Standards	EN 60721-3-3, EN 55011, EN 61000-4-2/6, EN 50178, contamination level 2, Over voltage category III		

Accessories	**Colour**	**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

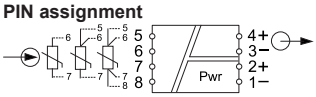
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Input: PT100, 2/3/4-conductor – with adjustable temperature range from - 50 °C to +200 °C
Output: 0–10 V / 0–20 mA / 4–20 mA
Insulation: 2.5 kV, 3-way isolation

Dimensions



PIN assignment



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					●	

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	DC 24 V	750829	WPT 7-0829	1
Spring terminal				
Nominal voltage	DC 24 V	751829	WPT 7-1829	1

Input	**PT 100**
Measurement input	PT100 2/3/4-conductor – adjustable via switch
Galvanic isolation 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

Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		

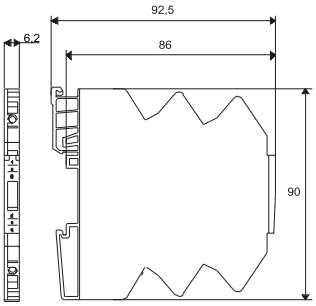
General	
Nominal voltage	DC 24 V
Operation voltage range	DC: 16.8–30 V
Rated current	13.0 mA
Status Indication	LED yellow, blinks for wire break and output goes to a saturated state
Input/output protection	DC 30 V overvoltage, short circuit-proof output
Accuracy	0.3 % FSR (23 °C)
Linearity error	0.10 %, 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 postition	Optional
Termination	Screw-/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
Approvals	cULus, Class I, Div. 2, Groups A, B, C, D T4A

Accessories	**Colour**	**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

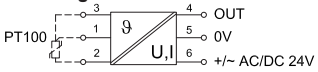
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Input: PT1000, 3-conductor – with adjustable temperature range from - 50 °C to +200 °C
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 1.5 kV, 2-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		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					●	

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750919	WPT 7-0919	1

Input	**PT 1000**
Measurement input	PT1000, 3-wire
Galvanic isolation I/O	2-way isolation
Temperature range	-50–150 °C / 0–100 °C / 0–200 °C – adjustable via switch
Transmission frequency	10 Hz
Input resistance	240 kΩ
Sensor current	0.1 mA
Zero /Span	Production comparison

Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		

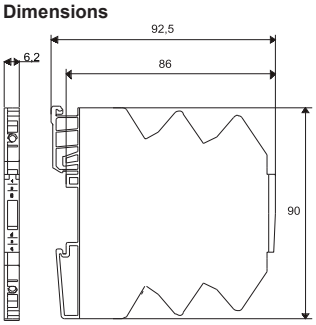
General	
Nominal voltage	AC/DC 24 V
Operation voltage range	DC: 16.8–30 V, AC: 19.2–28.8 V
Rated current	8.0 mA
Status Indication	LED yellow, blinks for wire break and output goes to a saturated state
Input/output protection	Overvoltage AC/DC 30 V, Output short circuit-proof
Accuracy	0.3 % FSR
Linearity error	0.1 % FSR
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Error coefficient of measuring line	0.1 K + 0.1 %/Ω
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	1.5 kV_{eff}
Housing material	PA 6.6 (UL 94 V-0)
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation postition	Optional
Termination	Screw-/spring terminal 0.14–2.5 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
Approvals	–
Standards	EN 60721-3-3; EN 55011, EN 61000-4-2/6, EN 50178, degree of pollution 2, over-voltage category III

Accessories	**Colour**	**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

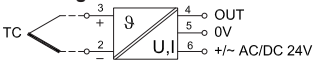
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT 0411	100
Isolation plate		760809	TP 7-0809	5
Labels for laser printer A4 unpunched		681031	LEB - A4	1

Input: Thermocouple Type J – with adjustable temperature range from -50 °C to +600 °C
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 1.5 kV, 2-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		S1					
Range	Output	1	2	3	4	5	6
-50 – 200°C	0-10V						
-50 – 200°C	0-20mA		●				
-50 – 200°C	4-20mA			●			
0 – 400°C	0-10V		●	●			
0 – 400°C	0-20mA				●		
0 – 400°C	4-20mA		●		●		
0 – 600°C	0-10V			●	●		
0 – 600°C	0-20mA		●	●	●		
0 – 600°C	4-20mA					●	

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750833	WTH 7-0833	1
Spring terminal				
Nominal voltage	AC/DC 24 V	751833	WTH 7-1833	1

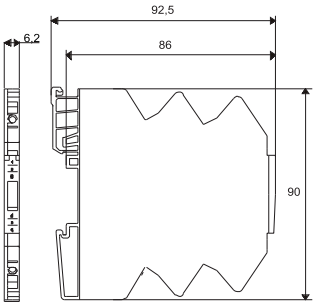
Input	**J (FeCuNi)**		
Measurement input	Type J (FeCuNi) according to DIN / IEC 584-1		
Galvanic isolation I/O	2-way isolation		
Temperature range	-50–200 °C / 0–400 °C / 0–600 °C – adjustable via switch		
Transmission frequency	10 Hz		
Input resistance	330 kΩ		
Sensor current	– mA		
Zero /Span	Production comparison		
Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		
General			
Nominal voltage	AC/DC 24 V		
Operation voltage range	DC: 16.8–30 V, AC: 19.2–28.8 V		
Rated current	6.0 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		
Error coefficient of measuring line	–		
Temperature coefficient	150 ppm / K FSR		
Insulation voltage input/output	1.5 kV_{eff}		
Housing material	PA 6.6 (UL 94 V-0)		
Field installation	rail TS 35 (EN 50022)		
Protection class	IP 20		
Installation postition	Optional		
Termination	Screw-/spring terminal 0.14–2.5 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)	0.030		
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		

Accessories	**Colour**	**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

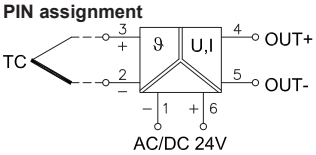
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Input: Thermocouple Type J – with adjustable temperature range from -50 °C to +600 °C
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 1.5 kV; 3-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		S1					
Range	Output	1	2	3	4	5	6
-50 – 200°C	0-10V						
-50 – 200°C	0-20mA		●				
-50 – 200°C	4-20mA			●			
0 – 400°C	0-10V		●	●			
0 – 400°C	0-20mA				●		
0 – 400°C	4-20mA		●		●		
0 – 600°C	0-10V			●	●		
0 – 600°C	0-20mA		●	●	●		
0 – 600°C	4-20mA					●	

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750839	WTH 7-0839	1
Spring terminal				
Nominal voltage	AC/DC 24 V	751839	WTH 7-1839	1

Input	**J (FeCuNi)**
Measurement input	Type J (FeCuNi) according to DIN / IEC 584-1
Galvanic isolation I/O	3-way isolation
Temperature range	-50–200 °C / 0–400 °C / 0–600 °C – adjustable via switch
Transmission frequency	10 Hz
Input resistance	330 kΩ
Sensor current	– mA
Zero /Span	Production comparison

Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		

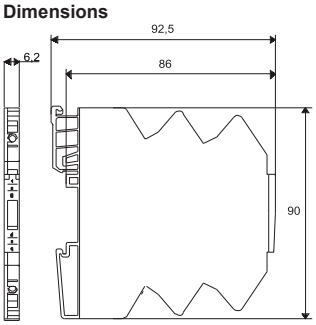
General	
Nominal voltage	AC/DC 24 V
Operation voltage range	DC: 16.8–30 V, AC: 19.2–28.8 V
Rated current	13.0 mA
Status Indication	LED yellow, blinks for wire break and output goes to a saturated state
Input/output protection	Overvoltage AC/DC 30 V, Output short circuit-proof
Accuracy	0.5 % + 2 K FSR
Linearity error	0.1 % FSR, thermoelectrical potential linear
Rise time (10 - 90%)	30 ms
Build-up time (Accuracy 1%)	60 ms
Error coefficient of measuring line	–
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	1.5 kV_{eff}
Housing material	PA 6.6 (UL 94 V-0)
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation postition	Optional
Termination	Screw-/spring terminal 0.14–2.5 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
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

Accessories	**Colour**	**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

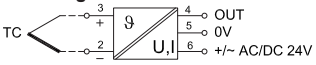
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Input: Thermocouple Type K – with adjustable temperature range from -50 °C to +600 °C
Output: 0–10 V / 0–20 mA / 4–20 mA , adjustable
Insulation: 1.5 kV, 2-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		S1					
Range	Output	1	2	3	4	5	6
-50 – 200°C	0-10V						
-50 – 200°C	0-20mA		●				
-50 – 200°C	4-20mA			●			
0 – 400°C	0-10V		●	●			
0 – 400°C	0-20mA				●		
0 – 400°C	4-20mA		●		●		
0 – 600°C	0-10V			●	●		
0 – 600°C	0-20mA		●	●	●		
0 – 600°C	4-20mA						●

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750873	WTH 7-0873	1
Spring terminal				
Nominal voltage	AC/DC 24 V	751873	WTH 7-1873	1

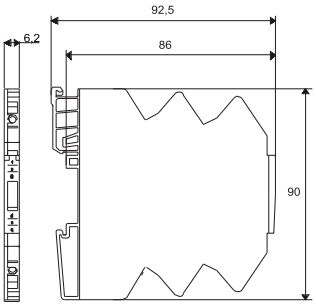
Input	**K (NiCrNi)**		
Measurement input	Type K (NiCrNi) with DIN / IEC 584-1		
Galvanic isolation I/O	2-way isolation		
Temperature range	-50–200 °C / 0–400 °C / 0–600 °C – adjustable via switch		
Transmission frequency	10 Hz		
Input resistance	330 kΩ		
Sensor current	– mA		
Zero /Span	Production comparison		
Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		
General			
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, 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		
Error coefficient of measuring line	–		
Temperature coefficient	150 ppm / K FSR		
Insulation voltage input/output	1.5 kV_{eff}		
Housing material	PA 6.6 (UL 94 V-0)		
Field installation	rail TS 35 (EN 50022)		
Protection class	IP 20		
Installation postition	Optional		
Termination	Screw-/spring terminal 0.14–2.5 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)	0.030		
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		

Accessories	**Colour**	**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

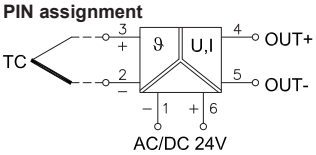
Accessories	**Colour**	**Article number**	**Type**	**PU**
Tag holder 4×11 mm	white	681313	BZT-0411	100
Isolation plate		760809	TP 7-0809	5

Input: Thermocouple Type K – with adjustable temperature range from -50 °C to +600 °C
Output: 0–10 V / 0–20 mA / 4–20 mA, adjustable
Insulation: 1.5 kV; 3-way isolation

Dimensions



PIN assignment



Range adjustment

● → Switch On		S1					
Range	Output	1	2	3	4	5	6
-50 – 200°C	0-10V						
-50 – 200°C	0-20mA		●				
-50 – 200°C	4-20mA			●			
0 – 400°C	0-10V		●	●			
0 – 400°C	0-20mA				●		
0 – 400°C	4-20mA		●		●		
0 – 600°C	0-10V			●	●		
0 – 600°C	0-20mA		●	●	●		
0 – 600°C	4-20mA					●	

Description		Part-No.	Type	PU
Screw terminal				
Nominal voltage	AC/DC 24 V	750869	WTH 7-0869	1
Spring terminal				
Nominal voltage	AC/DC 24 V	751869	WTH 7-1869	1

Input	**K (NiCrNi)**
Measurement input	Type K (NiCrNi) with DIN / IEC 584-1
Galvanic isolation I/O	3-way isolation
Temperature range	-50–200°C / 0–400°C / 0–600°C – adjustable via switch
Transmission frequency	10 Hz
Input resistance	330 kΩ
Sensor current	– mA
Zero /Span	Production comparison

Output	**0/10 V**	**0–20 mA**	**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	Adjustable via switch		
Ripple	<5 mV_{eff}		

General	
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, 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
Error coefficient of measuring line	–
Temperature coefficient	150 ppm / K FSR
Insulation voltage input/output	1.5 kV_{eff}
Housing material	PA 6.6 (UL 94 V-0)
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation postition	Optional
Termination	Screw-/spring terminal 0.14–2.5 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
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

Accessories	**Colour**	**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

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