



Identification	Type	WBRA 6-0522
	Part-No.	750522

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	50 Ω		
Output current	max. 5 mA		
Output signal	adjustable via DIP switch S2		
Ripple	<5 mV _{eff}		

Jumper

Jumper flow	DC 5 V, DC 10 V
Temperature drift /K	35 ppm / K
Difference from desired value	1.00%
Jumper power	25 mA (5 V); 50 mA (10 V)
Zero point	±15 mV, adjustable via DIP switch S1, S2
Measuring range	±127 mV, adjustable via DIP switch S1

Measurement input

Input current	1 nA (typ.)
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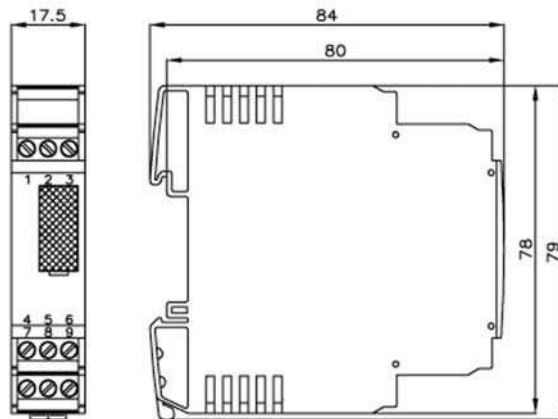
Technical data sheet - Interface Technology

Noise 0.1-10 Hz, pp RTI, typ.	1 μ V
Error range-changing switch	0.6 %
Common-mode range	-7 V to +7 V

General

Nominal voltage	DC 24 V
Operation voltage range	20.4–28.8 V
Rated current	20.0 mA
Status Indication	LED yellow
Input/output protection	Overvoltage DC 30 V, Output short circuit-proof
Accuracy	0.1 % FSR (23 °C)
Linearity error	0.02 %
Influence operation voltage	0.005 % / V
Stability amplification (ranges>8 mV)	Temperature: 70 ppm/K, weathering: 1 year 800 ppm, 10 years 2500 ppm
Stability zero point	Temperature: 1 μ V / K , weathering: 1 year = 10 μ V, 10 years = 40 μ V
Transmission frequency	Range 30 mV: 25 Hz / 6 Hz; range 1 mV: 2 Hz / 1.5 Hz - switchable
Housing material	PPE
Field installation	rail TS 35 (EN 50022)
Protection class	IP 20
Installation position	Optional
Termination	Screw terminal: 0.14–1.5 mm ²
Operation temperature range	-25 °C – 60 °C
Storage temperature range	-40 °C – 80 °C
Dimensions (w × h × d)	17.5×79.0×84.0 mm
Weight (kg/piece)	0.070 kg/piece
Approvals	cULus in preparation

Dimensions



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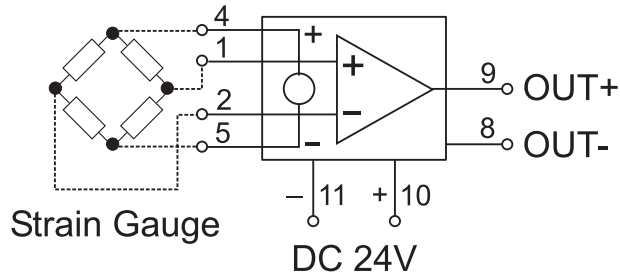
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PIN assignment



Range adjustment

S2	● → Switch On	1	2	3	4
Excitation	10V max. 50mA	●			
	5V max. 25mA				
Output	-10...+10V		●		
	0-20mA				
	4-20mA			●	
Bandwidth [Range: 30 (1)mV]	6 (1,5)Hz				●
	25 (2)Hz				

Range	On
+1mV	S1-8
+2mV	S1-7
+4mV	S1-6
+8mV	S1-5
+16mV	S1-4
+32mV	S1-3
+64mV	S1-2

Zero	On
+1mV	S1-1
+2mV	S2-8
+4mV	S2-7
+8mV	S2-6
-15mV	S2-5

Accessories

Accessories	Colour	Article number	Type	PU
Jumper comb 24pole, 26A	blue	760801	BK 6-0801	5
marker holder	white	681311	BZT 0720	100
Labels for laser printer A4 unpunched		681031	LEB - A4	1
Labels for laser printer 6,35 x 15,24mm (Sheet with 528 labels)		681033	LEB 0615	1

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