



#### General ordering data

Order No.	8581210000
Part designation	WAZ5 PRO Bridge
Version	Measuring bridge converter, 0...5 V, 5...0 V, 10...0 V, 0...10 V, 0...20 mA, 20...0 mA, 4...20 mA, 20...4 mA, Tension clamp connection
EAN	4032248234615
Qty.	1 pc(s).

#### Input

Input voltage	-500 mV...+500 mV
Input resistance	> 1 M $\Omega$
Number of inputs	1

#### Output

Output voltage	0...5 V, 5...0 V, 10...0 V, 0...10 V
Output current	0...20 mA, 20...0 mA, 4...20 mA, 20...4 mA
Load resistance, voltage	$\geq 1$ k $\Omega$
Load resistance, current	$\leq 600$ $\Omega$
Accuracy	0.3% of output range
Offset voltage	max. 0.05 V
Offset current	Max. 100 $\mu$ A
Step response time	Typically < 200 ms
Status indicator	Green LED
Temperature coefficient	$\pm 250$ ppm/K of output range
Number of outputs	1

#### General data

Function	Measuring bridge converter
Input/Output	Configurable
Galvanic isolation	3-way isolator
Type of connection	Tension clamp connection
Mounting rail	TS 35
Bridge supply voltage	+10 V, +5 V, 4.8...10.2 V; offset adjustable; max. 40mA

**General data**

Weight	100 g
Power consumption	Max. 1.9 W at I = 20 mA
Current-carrying capacity of cross-connect.	≤ 2 A
Voltage supply	24 V DC ± 25 %
Default setting	-500 mV...+500 mV / 0...10 V / + 10 V / standard
Ambient temperature (operational)	0 °C...+55 °C
Storage temperature	-20 °C...+85 °C

**Insulation coordination**

Standards	EN 50178
EMC standards	EN 61000-6 /-2
Insulation voltage input, output	2 kVeff / 5 s
Insulation voltage input or output/rail	4 kV / 1 min.
Insulation voltage input or output/supply	2 kVeff / 5 s
Clearance & creepage distances	≥ 3 mm
Impulse withstand voltage	4 kV
Pollution severity	2
Overvoltage category	III
Rated voltage	300 V

**Dimensions**

Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, nom.	1.5 mm <sup>2</sup>
Length	92.4 mm
Height	112.4 mm
Width	17.5 mm

**Approvals**

Approvals institutes	n.a.
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**Classifications**

eClass 4.1	27-21-01-07
eClass 5.0	27-21-01-07
eClass 5.1	27-21-01-20

**Similar products**

Order No.	Part designation	Version
8581200000	WAS5 PRO Bridge	Measuring bridge converter, 0...5 V, 5...0 V, 10...0 V, 0...10 V , 0...20 mA, 20...0 mA, 4...20 mA, 20...4 mA , Screw connection