



General ordering data

Order No.	8939680000
Part designation	WAZ6 TTA
Version	Universal signal converters / trip amplifiers, Adjustable between -10...+10 V (min. span 2.5 V) , Adjustable between 0...20 mA (min. span of 5 mA) , Tension clamp connection
EAN	4032248721085
Qty.	1 pc(s).

Input

Current	-20...50 mA (min. span 0.4 mA)
Type, thermocouple	B, E, J, K, L, N, R, S, T (IEC 60584)
Type, RTD	PT100, PT1000, (EN 60571) Ni100, Ni1000, (JIS1604), Cu10, Cu25, Cu50, Cu100 (DIN 43760) 2-/3-/4-wire
potentiometer	100 Ω...100 kΩ
Resistance	10 Ω...5 kΩ
Frequency	2 Hz...100 kHz
Voltage	-200...500 mV (min. 4 mV span), -20...50 V DC (min. 0.5 V span)
Current-loop powered	24 V DC / 22 mA
Accuracy	< 0.1 % span (DC, RTD); 0.2 % span (or 1 °C) + CJ error>
Temperature coefficient	< 0,1 % K (DC, RTD); < 0,1 % FSR K + CJ Fehler 0,07 °C/K (Thermoelemente)>

General data

Ambient temperature (operational)	40 °C...+70 °C (derating from 65 °C)
Power consumption	< 3,5 W
Step response time	50 ms...1 sec (RTD, mV inputs), 110 ms...1 sec (V, mA inputs)
Storage temperature	-40 °C...+85 °C
Type of connection	Tension clamp connection
Voltage supply	18...264 V AC/DC

General data

Weight	215 g
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Insulation coordination

Clearance & creepage distances	≥ 5.5 mm (1 mm)
EMC standards	EN 55011 EN 61000-6
Impulse withstand voltage	6 kV
Insulation voltage	2.5 kV
Overvoltage category	III
Pollution severity	2
Rated voltage	300 V (100 V)
Standards	EN 50178 (secure separation)

Output (analogue)

Output voltage	Adjustable between -10...+10 V (min. span 2.5 V)
Output current	Adjustable between 0...20 mA (min. span of 5 mA)
Load resistance, voltage	> 10 kΩ @ 0...10 V / > 20 kΩ @ -10...+10 V
Signal output	direct or inverted
Transmit function	Linear, $x^{1/2}$, $x^{3/2}$, $x^{5/2}$ or user-defined curve (101 points)

Output (digital)

Type	2 x 1 CO contact (hard gold-plated)
Max. switching voltage AC	250 V
Continuous current	3 A

Dimensions

Clamping range, max.	2.5 mm ²
Clamping range, min.	0.5 mm ²
Clamping range, nom.	2.5 mm ²
Length	92.4 mm
Height	112.4 mm
Width	45 mm

Similar products

Order No.	Part designation	Version
8939670000	WAS6 TTA	Universal signal converters / trip amplifiers, Adjustable between -10...+10 V (min. span 2.5 V) , Adjustable between 0...20 mA (min. span of 5 mA) , Screw connection