


General ordering data

Order No.	8543820000
Part designation	WAS5 DC/Alarm
Version	Limit value monitoring, 0(4)...20 mA , 0...10 V , 1 , 3 A , 2 , Screw connection
EAN	4032248181230
Qty.	1 pc(s).

Input

Input voltage	0...10 V
Input current	0(4)...20 mA
Input resistance	$\geq 100 \text{ k}\Omega$
Input resistance, current	$\leq 110 \text{ }\Omega$
Number of inputs	1

Output

Output current	3 A
Continuous current	3 A
Function	Open-circuit/closed-circuit principle
Accuracy	Repeat accuracy: max. $\pm 0.3\%$ of end value (10 V / 20 mA)
Hysteresis	1...10 % (independent for channel 1 and channel 2)
Contact assembly	2 CO contacts
Contact material	AgNi 90/10
Switching thresholds	1...90% (independently for channel 1 and channel 2)
Switching voltage, max.	253 V AC
Status indicator	LED green ON: OK, LED red ON: alarm (per channel)
Temperature coefficient	$\leq 500 \text{ ppm/K}$
Number of outputs	2

General data

Function	Relay output
Input/Output	0...10 V, 0(4)...20 mA / 2 CO

General data

Galvanic isolation	3-way isolator
Type of connection	Screw connection
Mounting rail	TS 35
Weight	150 g
Power consumption	Typically 1 W both relays picked up
Current-carrying capacity of cross-connect.	≤ 2 A
Voltage supply	24 V DC ± 25 %
Default setting	Channel A/B: low trip and FAILSAFE
Ambient temperature (operational)	0°C...+55 °C (side by side)
Storage temperature	-20 °C...+85 °C

Insulation coordination

Standards	EN 50178
EMC standards	EN 61000-4-2, -3, -4, -5, -6
Insulation voltage input, output	2 kVeff / 5 s
Insulation voltage input or output/supply	1.2 kV / 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 ²
Clamping range, min.	0.5 mm ²
Clamping range, nom.	2.5 mm ²
Length	92.4 mm
Height	112.4 mm
Width	17.5 mm

Approvals

Approvals institutes

**Classifications**

eClass 4.1	27-21-01-22
eClass 5.0	27-21-01-22
eClass 5.1	27-21-01-22

Similar products

Order No.	Part designation	Version
8543880000	WAZ5 DC/Alarm	Limit value monitoring, 0(4)...20 mA , 0...10 V , 1 , 3 A , 2 , Tension clamp connection