



General ordering data

Order No.	8543820000
Article 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

Input

Input voltage	0...10 V
Input current	0(4)...20 mA
Input resistance	$\geq 100 \text{ k}\Omega$
Input resistance, current	$\leq 110 \Omega$
No. 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...90% (independently for channel 1 and channel 2)
Contact complement	2 change-over 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
Electrical isolation	3-way-isolator
Type of connection	Screw connection
Terminal rail	TS 35
Weight	150 g
Power consumption	typically 1 W both relays picked up
Current-carrying capacity of cross-connect.	≤ 2 A
Supply voltage	24 V DC ± 25 %
Default setting	channel A/B: low trip and FAILSAFE
Operating temperature	0°C...+55°C (fitted)
Storage temperature	-20 °C...+85 °C

Insulation coordination

Standards	EN 50178
EMC standards	EN 61000-4-2, -3, -4, -5, -6
Isolation voltage input, output	2 kVeff / 5 s
Isolation voltage input or output/supply	1.2 kVeff / 5 s
Clearance & creepage distance	≥ 3 mm
Impulse withstand voltage	4 kV
Pollution severity	2
Surge 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

Classifications

ETIM 2.0	EC001440
ETIM 3.0	EC001440
eClass 4.1	27-21-01-22
eClass 5.0	27-21-01-22
eClass 5.1	27-21-01-22

Related products

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