

Item description

Short description: The threshold value switch for analog signals monitors analog standard signals and reports signals exceeding a preset threshold.

Features:

- PC configuration interface
- Digital switching output
- Changeover contact relay output
- Calibrated measurement range switching
- Threshold value configuration via DIP switches and teach-in function via push/slide switch
- Safe 3-way isolation with 2.5 kV test voltage acc. to EN 61140

Note: (* Additional setting options via interface configuration software or interface configuration app)

Data

Technical Data

Configuration

Configuration options

- DIP switches
- Interface configuration software
- Interface configuration app
- Push/slide switch

Input

Input signal type	Voltage Current
Input signal voltage	± 10 V; 0 ... 30 V
Input signal, current	± 20 mA
Input resistance (input/current)	$\leq 200 \Omega$
Input resistance (input/voltage)	$\geq 100 \text{ k}\Omega$
Max. input current	22 mA
Max. input voltage	31 V

Output – Digital

Max. switching voltage (DO)	Supply voltage applied
Max. continuous current (DO)	100 mA (no internal restriction)
Number of switching thresholds (DO)	1 (adjustable)
Configurable rise/fall delay time (DO)	10 s

Output – Relay

Number of changeover/switchover contacts	1
Max. switching voltage	250 VAC
Limiting continuous current (relay; terminal block assembly)	6A (≤ 60 °C); 2A (60 ... 70 °C)
Max. switching power (resistive)	1250 VA AC
Drop-out time (typ.)	4 ms
Number of switching thresholds (relay)	1 or 2 (adjustable)
Configurable rise/fall delay time (relay)	0 ... 30 s (via software)

Signal processing

Step response	16 ms
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Measurement error

Transmission error typ.	≤ 0.1 % of upper range value
Temperature coefficient	≤ 0.01 %/K

Power supply

Type of power supply	24 VDC
Nominal supply voltage U_S	24 VDC
Supply voltage range	± 30 %
Current consumption at supply voltage	≤ 25 mA (+ I_{DO})



Safety and protection:

Test voltage (input/output/supply)	2.5 kV AC; 50 Hz; 1 min
Degree of protection	IP20

Connection data

Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 14 AWG
Fine-stranded conductor	0.34 ... 2.5 mm ² / 22 ... 14 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 Inch

Geometrical Data

Width	6 mm / 0.236 Inch
Height from upper-edge of DIN-35 rail	97.8 mm / 3.85 Inch
Depth	94 mm / 3.701 Inch

Mechanical data

Type of mounting	DIN-35 rail
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Material Data

Color	light gray
Weight	38.6 g

Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C

Standards and specifications

Conformity marking	CE
EMC immunity to interference	EN 61000-6-2; EN 61131-2; EN 61326-1
EMC emission of interference	EN 61000-6-4; EN 61131-2; EN 61326-1
Standards/specifications	EN 61373




Commercial data

Country of origin	DE
GTIN	4045454885229
Product Group	6 (Interface Electronics)

Ex-Approvals

Logo	Approval	Certificate name
	UL UL International Germany GmbH (HAZARDOUS LOCATIONS)	E198726 Sec.4

Ship Approvals

Logo	Approval	Certificate name
BV	BV Bureau Veritas S.A.	40179_A0
	DNV GL Det Norske Veritas, Germanischer Lloyd	TAA00001D1
	NK Nippon Kaiji Kyokai	TA17255M
	PRS Polski Rejestr Statkow	TE/1989/880590/13

UL-Approvals

Logo	Approval	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	E175199 Sec.4



Product family

JUMPFLEX Signal Conditioners

The modules offer numerous technical highlights and feature a common profile, allowing the same flexible push-in jumpers to be used across the entire JUMPFLEX® line. With its new JUMPFLEX® Signal Conditioners, WAGO is continuing to expand its existing JUMPFLEX® portfolio, offering its customers the best solutions from a single source.

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Subject to changes.