

# Double limit value switch

## Characteristics



Input: 0...20 mA / 4...20 mA / 0...10 V (selectable)  
 Output: 2 relays with changeover contact (maximum 250V/3A AC)  
 Supply: 24 VAC / 115 VAC / 230 VAC / 24 VDC  
 Setting limit value: with coding switch  
 Switching function: minimum / maximum (selectable)  
 State of relay: LED red  
 Accuracy: 0,2% of end scale value  
 Resolution: 1%  
 Sensor supply: approx. 20 VDC / 24 mA maximum  
 Hysteresis: 0,5...10% (adjustable)  
 Protection: IP20  
 Mounting: DIN top hat rail

## Technical data

### Input

Current: 0...20 mA / 4...20 mA (Ri: 50 ohms)  
 Voltage: 0...10 V ( Ri: 50 kohms)  
 Selection: with switch

### Output

Relay: 2x changeover contact, max. 250 V / 3 A (AC)  
 Delay: approx. 0,5 s  
 Switching function: minimum/maximum (for each relay selectable)

### Adjustment

Hysteresis: 0,5... 10 % (with potentiometer)  
 Limit value: with coding switch

### Ambient conditions

Operating temperature: -10...+55°C  
 Storing temperature: -20...+70°C  
 Air humidity: 0...95 % relative

### Accuracy

Error: 0,2% FS  
 Linearity: 0,1% FS  
 Drift temperature: 0,01% / K  
 Error adjustment:  $\pm 0,2\%$  FS  
 Resolution adjustment:  $\pm 1\%$  FS

### Power supply

Supply AC: 24 / 115 / 230 V, 47...63 Hz, 3 VA  
 Supply DC: 24 V, maximum 80 mA, -10% / +15%  
 Sensor supply: approx. 20 VDC, maximum 25 mA

### Mechanics

Enclosure: plastics ABS  
 Dimensions: W45 x D75 x H105  
 Mounting: top hat rail  
 Color: grey / green  
 Protection: IP 20  
 Weight: approx. 200 g  
 Connection: 2x 8-pole pin and socket connector, up to 2,5 mm<sup>2</sup>, (protected)

## Applications

The limit value switch in top hat rail enclosure is simple to adjust and has an input for three standard signals, which is selectable with switches. With a coding switch it is possible to do the settings of the respective limit value in one percent steps.



photo: [www.pixelquelle.de](http://www.pixelquelle.de)

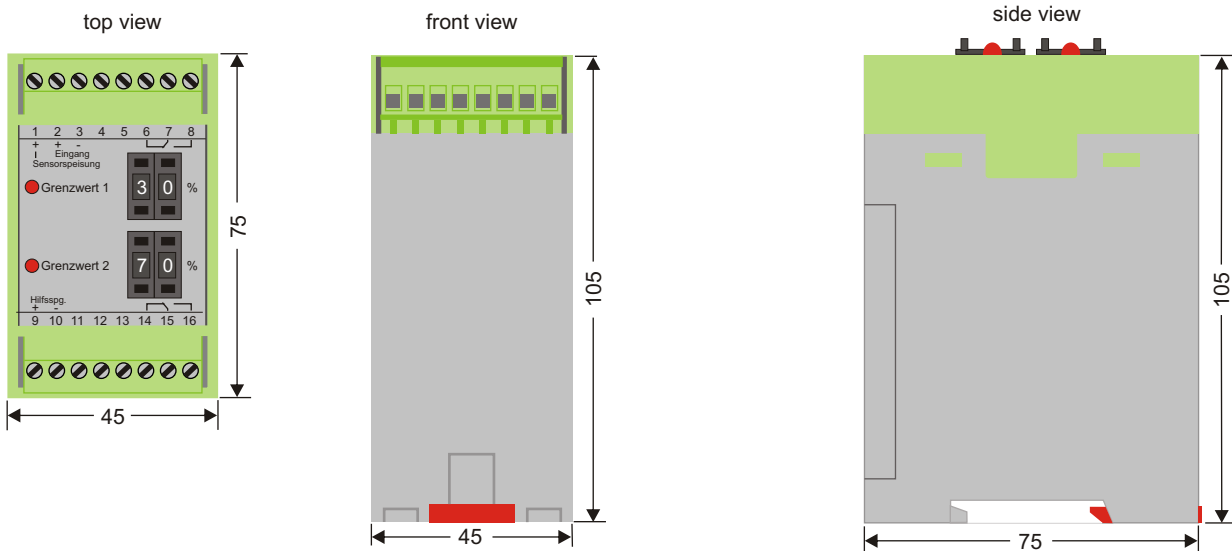
**Ordering code**

<b>G</b>	<b>Z</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>X</b>	<b>-</b>	<b>X</b>	<b>X</b>	<b>X</b>
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<b>Input:</b>	0(4)...20 mA / 0...10 V	0
<b>Output:</b>	2 relay, changeover contact each	0
<b>Supply:</b>	24 VDC	0
	24 VAC	1
	115 VAC	2
	230 VAC	3
<b>Adjustment:</b>	factory-set*	0
	customized (please indicate)**	1
<b>Other / Accessories:</b>	special model (please indicate)	0

\*factory-set: input: 0...20 mA / limit value 1: 30% minimum / limit value 2: 70% maximum / hysteresis: 1%  
 \*\*the possibilities of the technical data can be selected. In case of not given values the details of factory-set are used.

**Dimensions (in mm)**



**Connection**

