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Monitoring Relay GS500

- **Input 0/4..20 mA, 0/2..10 V DC**
- **Contact function min/max selectable**
- **Hysteresis and switching delay adjustable**

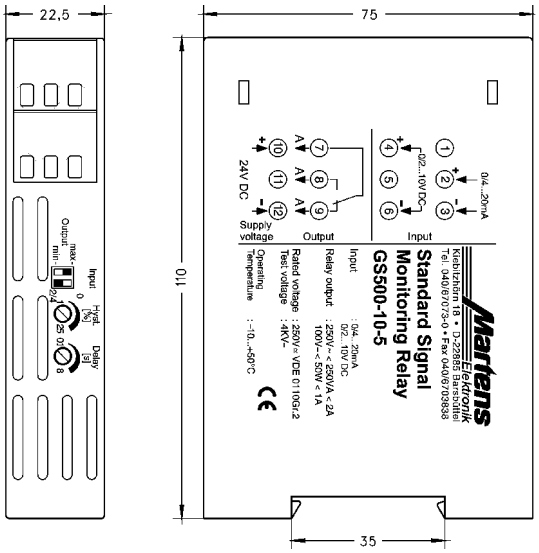
Characteristics

The GS500 can be used for monitoring physical processes presented as industry standard signal. Limit value can be set from 0..100%. The adjustable switching delay prevents that short signal peaks does not activate the alarm.
By an adjustable switching hysteresis a frequently switching can be suppressed with small signal variations.

Technical data

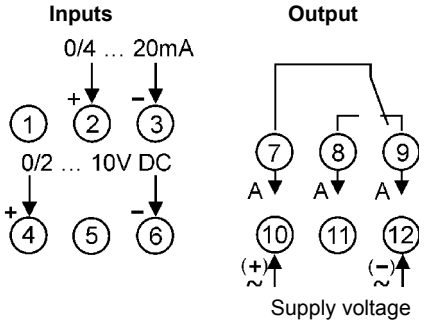
Power supply		
Supply voltage	:	230 V AC ±10 % or 24 V DC -30/+40 %
Frequency AC	:	47..63 Hz
Power consumption	:	<3 VA
Operating temperature	:	-10..+50 °C (-25..+70 °C special device)
CE-conformity	:	EN 55022, IEC 61000-4-3/4/5/11/13, EN 60555
Inputs		
Scale error	:	≤ 2 %
Repeatability	:	≤ 0.1 %
Current		
Range	:	0/4..20 mA selectable
Input resistance	:	125 Ω
Over-load	:	2-times, 4-times for max. 5 seconds
Voltage		
Range	:	0/2..10 V DC selectable
Input resistance	:	40 kΩ
Over-load	:	max. 100 V DC
Outputs		
Relay SPDT	:	250 V AC < 250 V A < 2 A; 100 V DC < 50 W < 1 A
Switching function	:	min./max. selectable
Hysteresis	:	1..25 %
Time delay	:	0.1..8 seconds
Case	:	standard case polycarbonate 8020 UL 94 V-1 acc. to DIN EN 60715:2001-09, DIN rail TS35
Weight	:	approx. 200 g
Connection	:	screw terminals, max. 2.5 mm²
Protection class	:	case IP30, terminals IP20 acc. to BGV A3

Dimensions



DIN rail mounting TS35

Connection diagram



Caution:
It is not permissible to use current and voltage inputs at the same time!

Ordering code

GS500 - 1. - 2.

1.	**Measuring range**		
	10	Standard device 0/4..20 mA, 0/2..10 V DC	
2.	**Supply voltage**		
	0	230 V AC	±10 %
	5	24 V DC	-30..40 %