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DIN Mounting Rail Limit Value Evaluation

GM 44-GW

- ◯ Limit Value Extension to GM 40
- ◯ For Switch-Cabinet Assembly, Width only 23 mm
- ◯ 10 .. 30VDC Supply, galvanically separated
- ◯ Very easy Operation
- ◯ 2 adjustable Limit Values
- ◯ Fast Response Time <2 ms
- ◯ Adjustable Switching Direction
- ◯ Most modern PhotoMos-Relays
- ◯ 2 Closing Contacts
- ◯ Voltage Input 0 .. ±10V

Description

The Limit Value Evaluation GM 44 is universally applicable as a fast limit value extension with 0 .. ±10V input.

The narrow shape of the housing allows space-saving mounting in switch cabinets on standardized DIN mounting rails.

Most modern PhotoMOS relays ensure fastest and over many years reliable shifting processes without mechanical contacts.

In each case, one closing contact per limit value is available, the setpoint value can be adjusted from -10V .. +10V by a 20-fold potentiometer. The switching direction is selected by a switch.
The switching status is indicated by an LED in each case.

A galvanically separated excitation voltage range from 10 .. 30V and the setpoint values of 0 .. ±10V allow direct signal processing with a PLC control.

All control elements are obtainable behind a removable plexiglass plate on the front side.

Specifications

		GM 44-GW
Art.-No.		108516

Evaluation Side

Supply	Supply voltage	10 .. 30VDC
	Ripple	<10%
	Current consumption	10V, 100 mA / 24V, 60 mA
Input voltage	Actual value	0 .. ±10V
Measuring clamps	Setpoint value	0 .. ±10V

Relay Output

Switching current		0.4 A
Switching voltage		60VAC/DC
Response time on		<2 ms
Response time off		<0.2 ms
Contact type	Per limit value	1 closing contact

Miscellaneous

Nominal temperature range	10 .. 40°C
Service temperature range	0 .. 60°C
Storage temperature range	-10 .. 70°C
Dimensions (W x H x L)	23 x 111 x 76 mm
Level of protection	IP20
DIN mounting rail range of connectors	0.14 .. 1.5 mm^2
DIN mounting rail	DIN EN 50022

Options/ Accessories

Art.-No.	Type	Description
115658	GM 41-NT	Power supply