

**DIN Mounting Rail Limit Value Evaluation**

**Type GM 44-GW**

- For Switch-Cabinet Assembly, Width only 23 mm
- Limit Value Extension to GM 40
- 10...30 V DC 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...±10 V



**DESCRIPTION:**

The Limit Value Evaluation GM 44 is universally applicable as a fast limit value extension with 0...±10 V 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 -10 V...+10 V 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...30 V and the setpoint values of 0...±10 V allow direct signal processing with a PLC control.

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

**TECHNICAL DATA:**

<b>Type</b>		<b>GM 44-GW</b>
<b>Art. No.</b>		108516
<b>Evaluation Side</b>		
Supply	Supply Voltage	10...30 V DC
	Ripple	<10%
	Current Consumption	10 V 100 mA 24 V 60 mA
Input Voltage	Actual value	0...±10 V
Measuring Clamps	Setpoint Value	0...±10 V
<b>Relay Output</b>		
Switching Current		0.4 A
Switching Voltage		60 V AC/DC
Response Time On		<2 ms
Response Time Off		<0.2 ms
Contact Type	Per Limit Value	1 Closing Contact
<b>Miscellaneous</b>		
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		IP 20
DIN Mounting Rail Range of Connectors		0.14...1.5 mm <sup>2</sup>
DIN Mounting Rail		DIN EN 50022
<b>Options</b>	<b>Art. No.</b>	<b>Function</b>
GM 44/NEUT	105707	Neutral design
GM 40/NT	108541	Power supply