

## DIN Mounting Rail Min.-Max. Memory Device

**Type GM 42-MAX**

- For Switch-Cabinet Assembly, Width only 23 mm
- Min.-Max. Memory Device Extension to GM 40
- 10...30 V DC Supply, galvanically separated
- Very easy Operation
- Each one Reset Input via Opto Couplers
- Fast Rise Time <0.2 ms
- Voltage Input 0...±10 V



### DESCRIPTION:

The GM 42 is a fast Minimum and Maximum Memory Device with a 0...±10 V input: It is universally applicable.

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

A galvanically separated supply voltage range of 10...30 V and the min.-max. values of 0...±10 V allow the direct signal processing with a SPS control.

Reset input: (delete) One each for min. and max. Both are galvanically separated by opto couplers.  
2 x LED status displays in front.

#### Maximum Memory Device:

After a reset (control input) to -10 V each most positive value is saved and transferred to the output.

#### Minimum Memory Device:

After a reset (control input) to +10 V each most negative value is saved and transferred to the output.

The status indications are protected behind a transparent plexiglass plate.

### TECHNICAL DATA:

<b>Type</b>		<b>GM 42-MAX</b>
<b>Art. No.</b>		<b>108517</b>
<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
Output Voltage	Min. and Max.	0...±10 V
Dynamic	Min. and Max.	0.2 ms -3 dB
<b>Reset Inputs</b>		
Control Signal	Low	0...5 V
	High	10...30 V
Response Time On		<2 ms
Response Time Off		<0.2 ms
<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>Options</b>	<b>Art. No.</b>	<b>Function</b>
GM 42/NEUT	105707	Neutral design
GM 40/NT	108541	Power supply