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# DIN Mounting Rail Min.-Max. Memory Device

**GM 42-MAX**

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




## Description

The GM 42 is a fast minimum and maximum memory device with a 0 .. ±10V input 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 .. 30V and the min. - max. values of 0 .. ±10V 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 -10V each most positive value is saved and transferred to the output.

### Minimum Memory Device:

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

The status indications are protected behind a transparent plexiglass plate.

## Specifications

| | | **GM 42-MAX** |
|---|---|---|
| **Art.-No.** | | 108517 |

### Evaluation Side

| | | |
|---|---|---|
| Supply | Supply voltage<br>Ripple<br>Current consumption | 10 .. 30VDC<br><10%<br>10V, 100 mA / 24V, 60 mA |
| Input voltage | Actual value | 0 .. ±10V |
| Output voltage | Min. and max. | 0 .. ±10V |
| Dynamic | Min. and max. | 0.2 ms -3 dB |

### Reset Inputs

| | | |
|---|---|---|
| Control signal | Low<br>High | 0 .. 5V<br>10 .. 30V |
| Response time on | | <2 ms |
| Response time off | | <0.2 ms |

### 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 |