

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:

Type		GM 42-MAX
Art. No.		108517
Evaluation Side		
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
Reset Inputs		
Control Signal	Low	0...5 V
	High	10...30 V
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		IP 20
DIN Mounting Rail Range of Connectors		0.14...1.5 mm ²
DIN Mounting Rail		DIN EN 50022
Options	Art. No.	Function
GM 42/NEUT	105707	Neutral design
GM 40/NT	108541	Power supply