

# Timers

## Delay on Operate

### Type EAS

CARLO GAVAZZI



- Fail-safe two-wire connection
- Low-cost
- Multi-voltage: 24-230 VAC/DC
- Delay on operate
- Time range: 0.5 s - 10 m
- Knob-adjustable time setting
- Output: SCR 10-500 mA
- For mounting on DIN-rail in accordance with DIN/EN 50 022
- 22.5 mm small Euronorm housing

## Product Description

Small, low-cost mono function timer with adjustable time setting. Only 2-wire connection for easy and fail-safe use (see diagram). For mounting on DIN-rail or di-

rectly on surface by screws. The timer is used e.g. to delay small industrial relays or 3-phase contactors.

## Ordering Key

**EAS S M23 10S**

Housing \_\_\_\_\_  
 Function \_\_\_\_\_  
 Small E-line \_\_\_\_\_  
 Output \_\_\_\_\_  
 Power supply \_\_\_\_\_  
 Time range \_\_\_\_\_

## Type Selection

Mounting	Output	Time range	Supply: 24 - 230 VAC/DC
For DIN-rail	SCR	0.5 - 10 s	EAS S M23 10S
or for screw	SCR	0.1 - 1 m	EAS S M23 1M
	SCR	1 - 10 m	EAS S M23 10M

## Time Specifications

<b>Time ranges</b>	
10 s	0.5 - 10 s
1 m	0.1 - 1 m
10 m	1 - 10 m
<b>Time range accuracy</b>	max. setting: actual time ≥ max. set time min. setting: actual time ≤ min. set time
<b>Repeat accuracy</b>	≤ 0.2%
<b>Time variation</b> Within rated power supply and ambient temperature	≤ 0.1%/V ≤ 0.2%/°C
<b>Reset</b> Time and output	Power supply interruption ≥ 200 ms

## Output Specifications

<b>Output</b>	SCR
<b>Output current</b> Maximum load current Minimum load current	500 mArms 10 mArms
<b>Leakage current</b>	≤ 3.5 mArms @ 230 Vrms typ.: 2 mArms
<b>Voltage drop</b>	≤ 8 VACrms typ.: 5 VACrms @ 50 mArms

## Supply Specifications

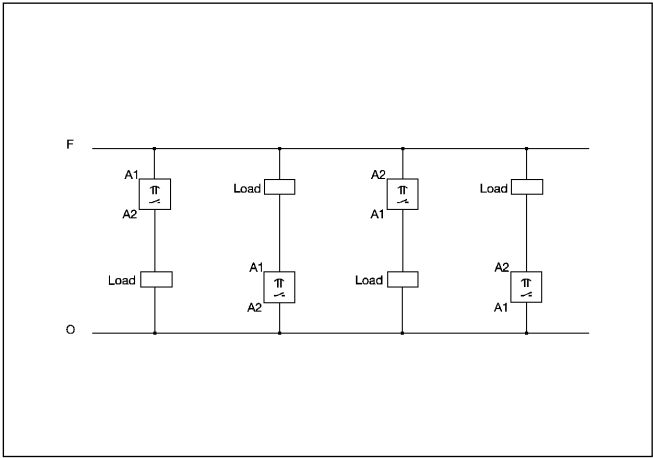
<b>Power supply</b> Rated operational voltage Rated insulation voltage	Overvoltage cat. III (IEC 60664) (IEC 60038) 24-230 VAC/DC, -10/+15% None
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General Specifications

EMC	Electromagnetic compatibility
Immunity	Acc. to IEC 60801-4 Acc. to IEC 60801-5
Power ON delay	≤ 100 ms
Power OFF delay	≥ 200 ms
Environment	
Degree of protection	IP 20
Pollution degree	3
Operating temperature	-20° to +50°C (-4° to +122°F)
Storage temperature	-30° to +80°C (-22° to +176°F)
Weight	50 g
Dimensions	49 x 22.5 x 56 mm (L x W x H)
Approvals	UL, CSA

Wiring Diagram



Operation Diagram

