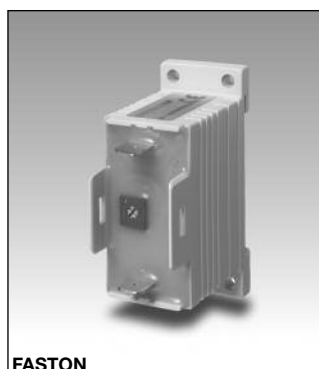


# Timers Interval Type EBS

CARLO GAVAZZI



SCREW



FASTON

- Fail-safe two-wire connection
- Low-cost
- Multi-voltage: 24-230 VAC
- Interval timer
- Time range: 0,5 s - 10 m
- Knob-adjustable time setting
- Output: SCR 10-500 mA (screws) and SCR 10-700mA (Fast-ON)
- For mounting on DIN-rail in accordance with DIN/EN 50 022
- 22,5 mm small Euronorm housing

## Product Description

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

directly on surface by screw. The timer is used e.g. with industrial relays or 3-phase contactors.

## Ordering Key

**EBS S M23 10S F**

Housing	_____
Function	_____
Small E-line	_____
Output	_____
Power supply	_____
Time range	_____
Fast-ON connection	_____

## Type Selection

Mounting	Output	Time range	Connection	Supply: 24 - 230 VAC
For DIN-rail or for screw	SCR	0.5 - 10 s	Screws	<b>EBS S M23 10S</b>
	SCR	0.1 - 1 m	Screws	<b>EBS S M23 1M</b>
	SCR	1 - 10 m	Screws	<b>EBS S M23 10M</b>
For DIN-rail or for screw	SCR	0.5 - 10 s	Fast-ON	<b>EBS S M23 10S F</b>
	SCR	0.1 - 1 m	Fast-ON	<b>EBS S M23 1M F</b>
	SCR	1 - 10 m	Fast-ON	<b>EBS S M23 10M F</b>

## 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 (screw terminals)	500 mA
(Fast-ON connection)	700 mA
Maximum current for 100 ms (screw terminals)	5.5 A
(Fast-ON connection)	7 A
Minimum load current	10 mA
<b>Leakage current</b>	≤ 3.5 mA @ 230 V typ.: 2 mA
<b>Voltage drop</b>	≤ 8 VAC typ.: 5 VAC @ 50 mA

## Supply Specifications

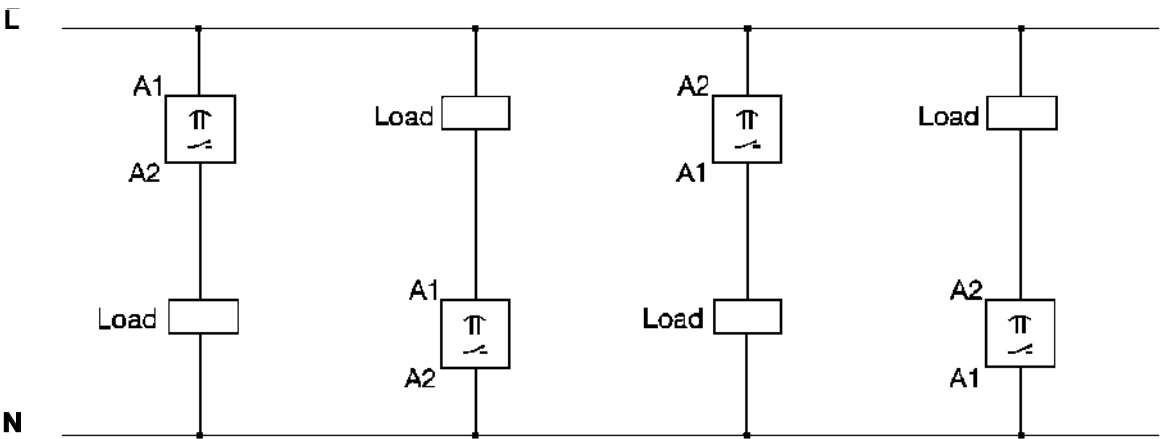
<b>Power supply</b>	Overvoltage cat. III (IEC 60664)
Rated operational voltage	(IEC 60038) 24-230 VAC, -10/+15%
Rated insulation voltage	None



General Specifications

Power ON delay	≤ 100 ms	Approvals	UL, CSA
Power OFF delay	≥ 200 ms	CE Marking	Yes
Environment		EMC	Electromagnetic Compatibility Acc. to IEC 60801-4 Acc. to IEC 60801-5
Degree of protection	IP 20	Immunity	
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		
Housing			
Dimensions Screw terminals	22.5 x 56 x 49 mm		
Fast-ON connection	22.5 x 56 x 44 mm		
Material	ABS		

Wiring Diagram



Operation Diagram



Dimensions

