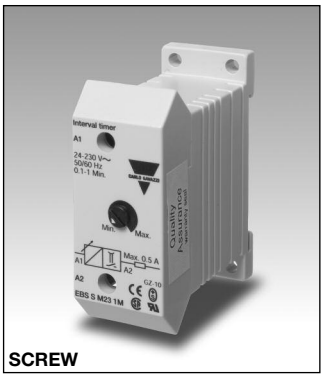
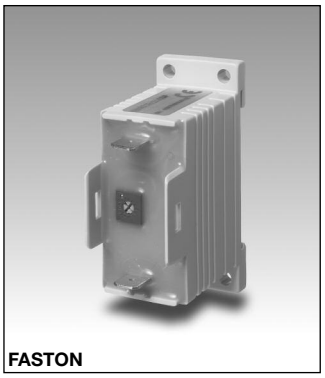
Timers
Interval
Type EBS


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	**EBS S M23 10S**
	SCR	0.1 -1 m	Screws	**EBS S M23 1M**
	SCR	1 - 10 m	Screws	**EBS S M23 10M**
For DIN-rail or for screw	SCR	0.5 - 10 s	Fast-ON	**EBS S M23 10S F**
	SCR	0.1 -1 m	Fast-ON	**EBS S M23 1M F**
	SCR	1 - 10 m	Fast-ON	**EBS S M23 10M F**

Time Specifications

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

Output Specifications

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

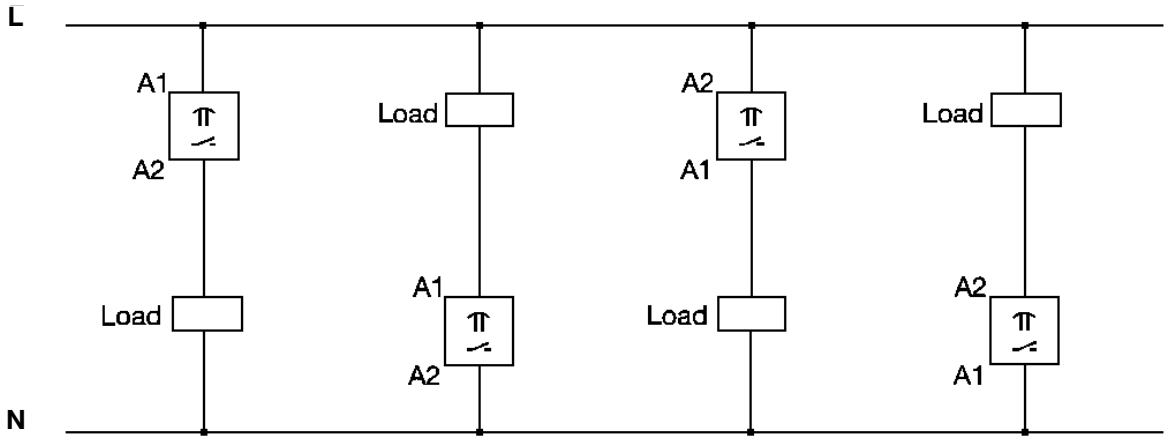
Supply Specifications

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

General Specifications

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
Housing	
Dimensions (screw connection)	22.5 x 56 x 49 mm
Max. screws tightening torque	0.5 Nm
Dimensions (Fast-ON connection)	22.5 x 56 x 44 mm
Material	ABS
Approvals	UL, CSA
CE Marking	Yes
EMC	Electromagnetic Compatibility
Immunity	Acc. to IEC 60801-4 Acc. to IEC 60801-5

Wiring Diagram



Operation Diagram



Dimensions

