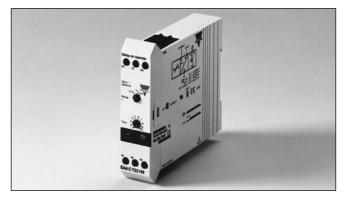
Timers Delay on Operate Type EAA





Product Description

Mono-function timer with 3 selectable time ranges within 0,1 s to 1 m or 1 m to 10 h. For mounting on DIN-rail. Often used to prevent over-

loading the power distribution system, when e.g. pumps should not be switched on at the same time.

Ordering Key **EAA C T23 1M** Housing Function Туре Output Power supply Time range

For mounting on DIN-rail in accordance with

· LED-indication for relay and power supply ON

Type Selection

Mounting	Output	Time range	
For DIN-rail	SPDT SPDT	0.1 s - 1 m 1 m - 10 h	
	DPDT	0.1s - 1m	
	DPDT	1 m - 10 h	

Time Specifications

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Time ranges Type 1 M Selectable by rotary switch Type 10 H Selectable by rotary switch	0.1 s - 1 s 1 s - 10 s 0.1 m - 1 m 1 m - 10 m
	0.1 h - 1 h 1 h - 10 h
Time range accuracy	±10% on max. min. setting: actual time ≤ min. set time
Repeat accuracy	≤ 0.2%
Time variation Within rated power supply and ambient temperature	≤ 0.05%/V ≤ 0.2%/°C
Reset Time and relay	Power supply interruption ≥ 200 ms

Output Specifications

Supply: 24 VAC/DC & 115-230 VAC

EAA C T23 1M EAA C T23 10H EAA D T23 1M EAA D T23 10H

• Time range 0.1 s to 10 h Automatic start

DIN/EN 50 022

· Knob-adjustable time setting Knob selection of time range Oscillator-controlled time circuit Repeat accuracy: ≤ 0.2% Output: 5 A SPDT or 5 A DPDT

· 22.5 mm Euronorm housing

Combined AC and DC power supply

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Output Type C Type D	SPDT relay DPDT relay	
Rated insulation voltage	250 VAC (contact/elect.)	
Contact ratings (AgCdO) Resistive loads AC 1 DC 1 Small inductive loads AC 15 DC 13	μ (micro gap) 5 A, 250 VAC 5 A, 24 VDC 2 A, 250 VAC 3 A, 24 VDC	
Mechanical life	≥ 40 x 10 ⁶ operations	
Electrical life	≥ 10 ⁵ operations (at max. load)	
Operating frequency	≤ 7200 operations/h	
Dielectric strength Dielectric voltage Rated impulse withstand volt.	2 kVAC (rms) 4 kV (1.2/50 μs)	



Supply Specifications

Power supply Rated operational voltage through term. A1 & A2 T23 frequency through term. A2 & A3 T23 frequency Voltage interruption Dielectric voltage Rated impulse withstand voltage	Overvoltage cat. III (IEC 60664) (IEC 60038) 115-230 VAC, $-10/+15\%$ 50/60 Hz, $-5/+5$ Hz 24 VAC/DC, $-10/+15\%$ 50/60 Hz, $-5/+5$ Hz \leq 40 ms None 4 kV (1.2/50 µs)	
Rated operational current Type C Type D	20 mA @ 24 VDC 40 mA @ 24 VAC 20 mA @ 115 VAC 40 mA @ 230 VAC 25 mA @ 24 VDC 40 mA @ 24 VAC 30 mA @ 115 VAC 60 mA @ 230 VAC	

General Specifications

EMC	Electromagnetic Compatibility	
Immunity	Acc. to IEC 60801-4 Acc. to IEC 60801-5	
Power ON delay	≤ 200 ms	
Power OFF delay	≥ 200 ms	
Indication for Power supply ON Output ON	LED, green LED, yellow	
Environment Degree of protection Pollution degree Operating temperature Storage temperature	IP 20 3 -20° to +50°C (-4° to +122°F) -50° to +85°C (-58° to +185°F)	
Weight	125 g	
Screw terminals Tightening torque	Max. 0,5 Nm acc. to IEC 60947 UL, CSA	
Approvals CE-marking	Yes	

Mode of Operation

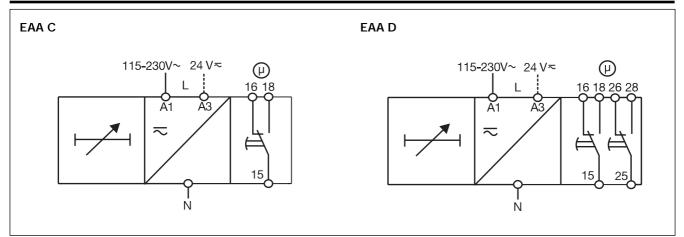
The delay period begins when power supply is applied. At the end of the set delay, the relay will operate and will not release until power supply is interrupted for at least 200 ms. If power supply is interrupted for at least 200 ms before the relay operates, the time circuit is reset to zero and the relay is ready for a new time period.

Time Setting

Selection of time ranges Upper knob: 3-position rotary switch.

Time setting Lower knob: Knob-adjustable on relative scale 1-10.

Wiring Diagrams



Operation Diagram

Power supply		
Relay ON		