

IT TIMER ITS 24-240VUC 1CO M7C

Weidmüller Interface GmbH & Co. KG
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Product image



Timing relays are used in automation engineering in order to compensate for malfunctions caused by high clock rates.

Short pulses are extended and hence are reliably identified by downstream control components.

Various timing functions such as make and break delays, clock generator and star/delta switchover are available to users.

General ordering data

Type	ITS 24-240VUC 1CO M7C
Order No.	2496190000
Version	IT TIMER, Multifunction timing relay, with separate control input, No. of contacts: 1, CO contact, AgNi, Continuous current: 5 A, Screw connection
GTIN (EAN)	4050118506211
Qty.	1 pc(s).

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Technical data**Dimensions and weights**

Width	17.5 mm	Width (inches)	0.689 inch
Height	98 mm	Height (inches)	3.858 inch
Depth	57.9 mm	Depth (inches)	2.28 inch
Net weight	58 g		

Temperatures

Humidity	25 - 75%, no condensation	Operating temperature, max.	50 °C
Operating temperature, min.	-25 °C	Storage temperature, max.	70 °C
Storage temperature, min.	-40 °C	Operating temperature	-25 °C...50 °C
Storage temperature	-40 °C...70 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Input

Rated control voltage	24...48 V DC - 15 % / + 10 % / 24...240 V AC - 15 % / + 10 %	Power rating	8 VA @ 230 V AC, 0.4 W at 24 V DC
Status indicator	LED green (U/t): flashes when time runs, lights permanently with supply voltage applied, LED yellow (R): relay closed	Repeat accuracy	< 0.5 % or ±5 ms
Setting tolerance	5 %	Basic accuracy	< 1.5 % (of scale-end value)
Min. pulse duration	50 ms	Time ranges	0.05 s - 1 s, 0.5 s - 10 s, 3 s - 60 s, 0.5 min - 10 min, 3 min - 1 h, 0.5 h - 10 h
Max. reset time after voltage interruption	100 ms		

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	30 V	Continuous current	5 A

Contact data

Contact type	1 CO contact (AgNi)	Mechanical service life	1 x 10 ⁶ switching cycles
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General data

Version	with separate control input	Rail	TS 35
Test button	No	Mechanical switch position indicator	No
Resistance to vibration EN 61812-1	10 Hz...60 Hz: 0.15 mm, 60 Hz...150 Hz: 2 g		

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Technical data**Insulation coordination**

Rated voltage	300 V	Surge voltage category	II
Pollution severity	2	Protection degree	IP20
Dielectric strength, Input/Output	1.6 kV	Creepage and clearance distance input – output	≥ 1.5 mm
Impulse withstand voltage	2.5 kV		

Connection data

Wire connection method	Screw connection	Stripping length, rated connection	7 mm
Tightening torque, max.	0.5 Nm	Clamping range, rated connection	2.5 mm ²
Clamping range, min.	0.25 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 23	Wire connection cross section AWG, max.	AWG 14
Wire cross-section, solid, min.	0.25 mm ²	Wire cross-section, solid, max.	2.5 mm ²
Wire connection cross-section, finely stranded, min.	0.25 mm ²	Wire connection cross section, finely stranded, max.	2.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.25 mm ²	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	2.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.25 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), max.	2.5 mm ²
Blade size	size PH1		

Classifications

ETIM 6.0	EC001439	eClass 6.2	27-14-23-10
eClass 9.0	27-37-16-05	eClass 9.1	27-37-16-05

Approvals

Approvals



ROHS Conform

Downloads

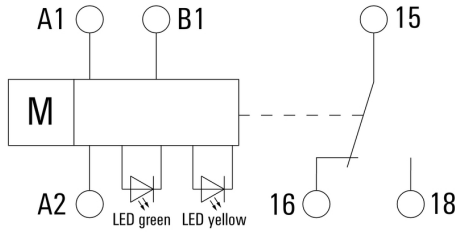
Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	EPLAN
Engineering Data	STEP
User Documentation	Beipackzettel / Package Insert – multilingual Declaration of time functions - English Declaration of time functions - German

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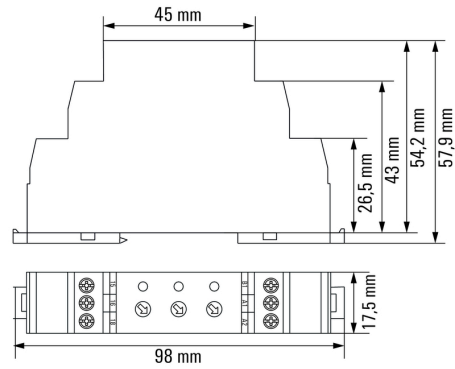
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Drawings

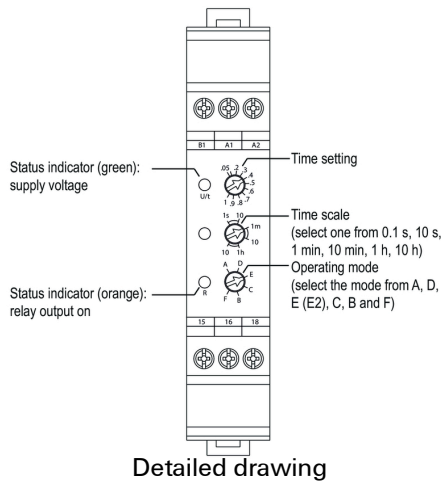
Wiring diagram



Dimensional drawing



Miscellaneous



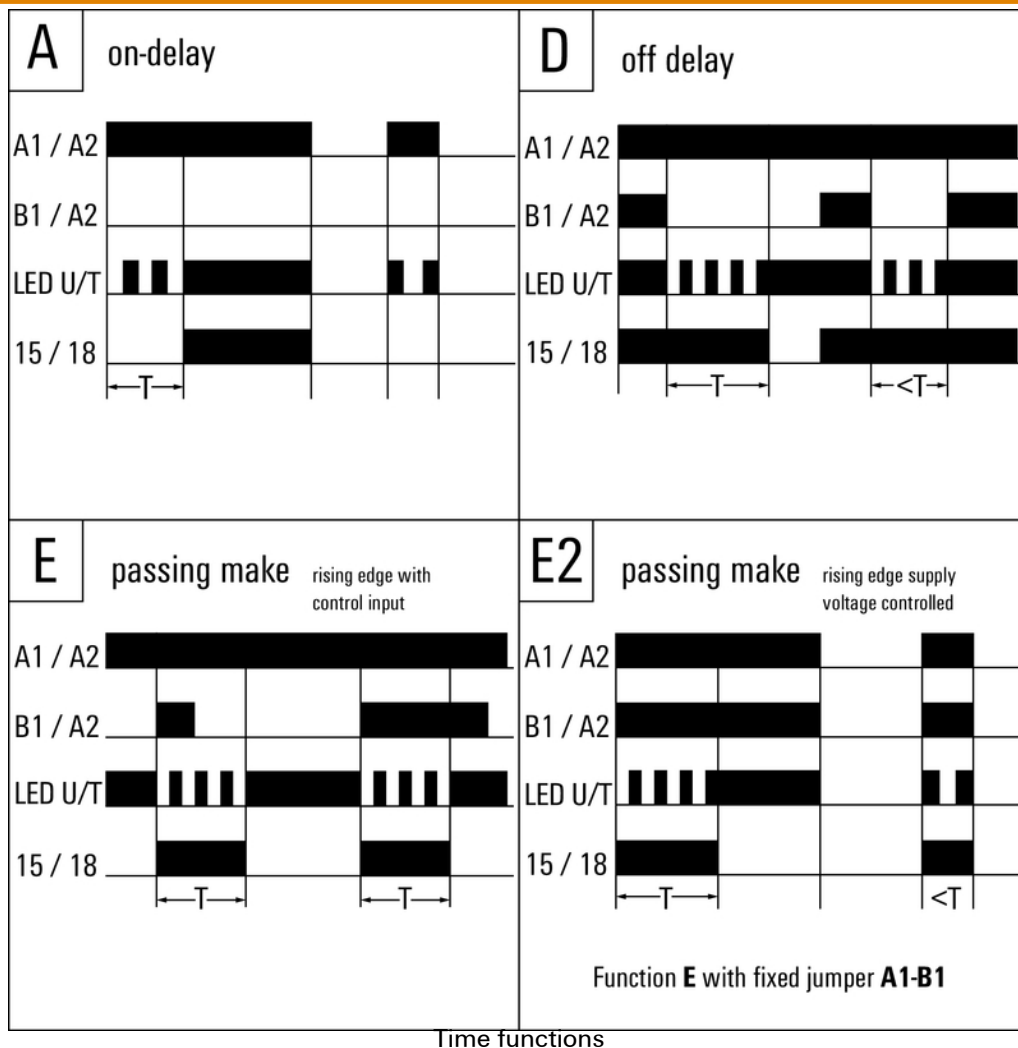
Detailed drawing

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Graph

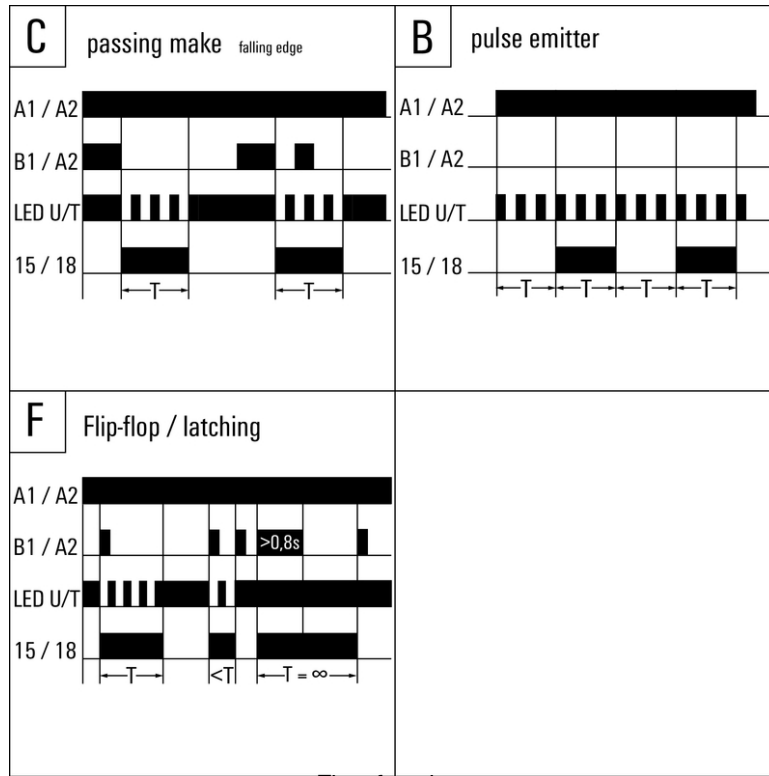


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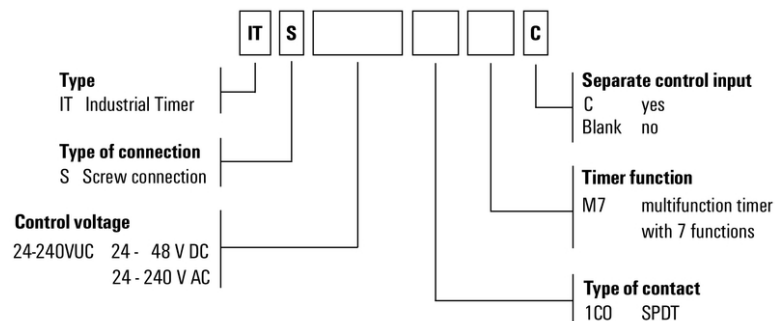
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Graph



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Type codes