

ITS 24-240VUC 1CO M7C**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Compact multi-functional timing relay for easy control signal adjustment

With IT-TIMER, Weidmüller's range includes a highly efficient timing relay with multi-voltage input that combines a range of functions with a compact size. It is particularly easy to configure the timer functions thanks to the flat front cover, the easy-to-read LED status indicator and operation with standard tools. IT-TIMER meets the requirements of IEC 618121. It is designed for an operating voltage range from 24 V DC to 48 V DC or 24 V AC to 240 V AC and can therefore be used in a wide variety of applications.

- High level of functionality in a compact size
- Timing functions that are easy to configure using standard tools
- Can be used internationally thanks to compliance with EN 618121
- Seven timing functions for a wide range of applications make the IT-TIMER a smart solution for your application

General ordering data

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

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Technical data

Dimensions and weights

Depth	57.9 mm	Depth (inches)	2.28 inch
Height	98 mm	Height (inches)	3.858 inch
Width	17.5 mm	Width (inches)	0.689 inch
Net weight	57 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Control side

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	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
Setting tolerance	5 %	Max. reset time after voltage interruption	100 ms
Basic accuracy	< 1.5 % (of scale-end value)	Min. pulse duration	50 ms
Repeat accuracy	< 0.5 % or ±5 ms		

Load side

Rated switching voltage	250 V AC	Continuous current	5 A
Max. switching voltage, AC	250 V	Max. switching voltage, DC	30 V
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V	AC switching capacity (resistive), max.	1250 VA
DC switching capacity (resistive), max.	90 W	Contact type	1 CO contact (AgNi)
Mechanical service life	1 x 10 ⁶ switching cycles		

General data

Suitable for front mounting	No	Version	with separate control input
Rail	TS 35	Test button available	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

Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	II	Clearance and creepage distances for control side - load side	≥ 3 mm
Dielectric strength for control side - load side	1.6 kV	Impulse withstand voltage	2.5 kV
Protection degree	IP20		

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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	ETIM 7.0	EC001439
ETIM 8.0	EC001439	ECLASS 9.0	27-37-16-05
ECLASS 9.1	27-37-16-05	ECLASS 10.0	27-37-16-05
ECLASS 11.0	27-37-16-05		

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	EU Konformitätserklärung / EU Declaration of Conformity
Engineering Data	STEP
Engineering Data	EPLAN
User Documentation	Beipackzettel / Package Insert - multilingual Beschreibung der Zeitfunktionen - Deutsch Declaration of timing functions - English
Catalogues	Catalogues in PDF-format

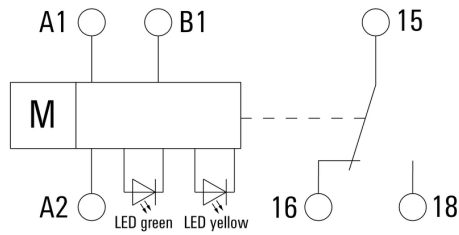
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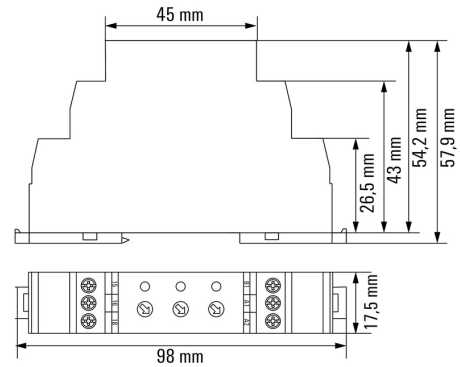
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Drawings

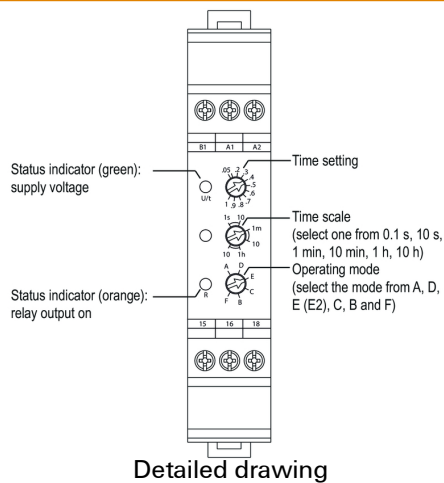
Wiring diagram



Dimensional drawing



Miscellaneous



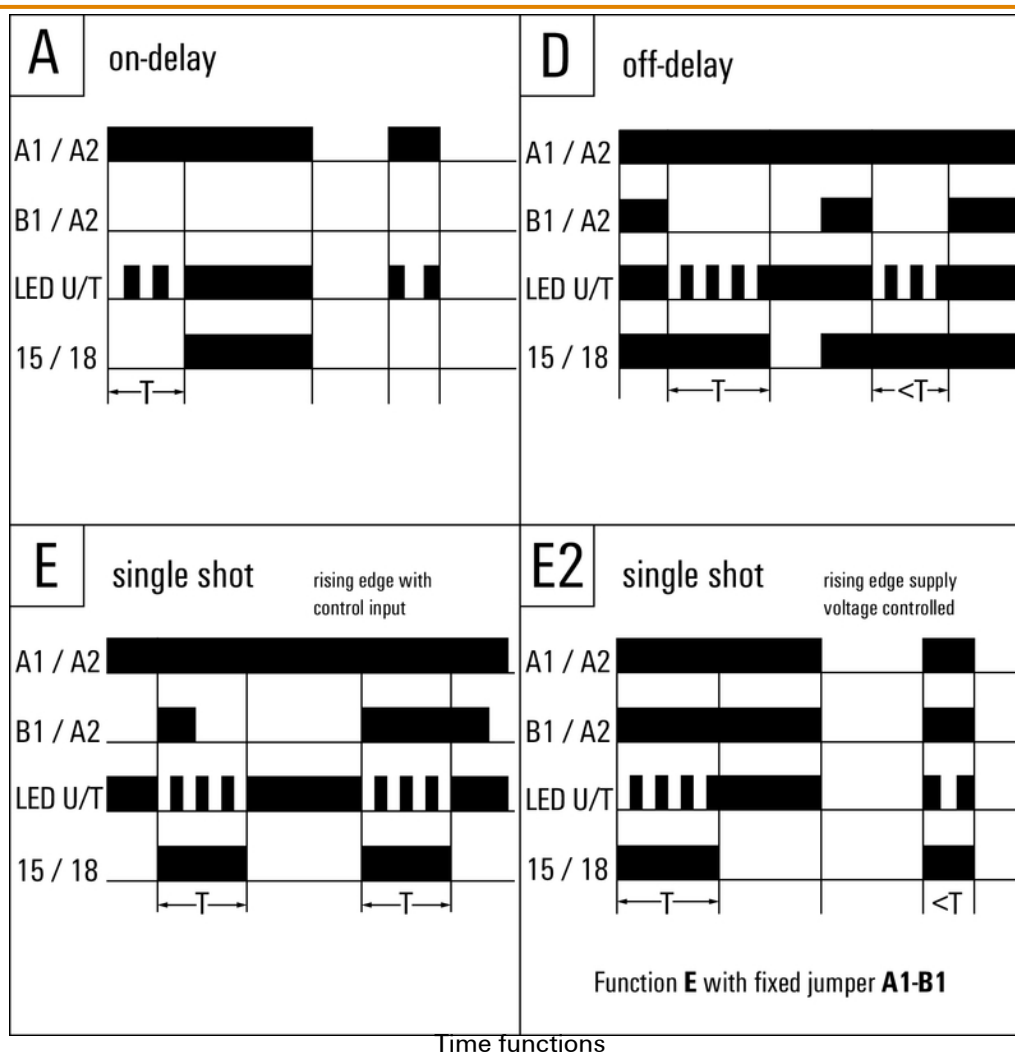
Detailed drawing

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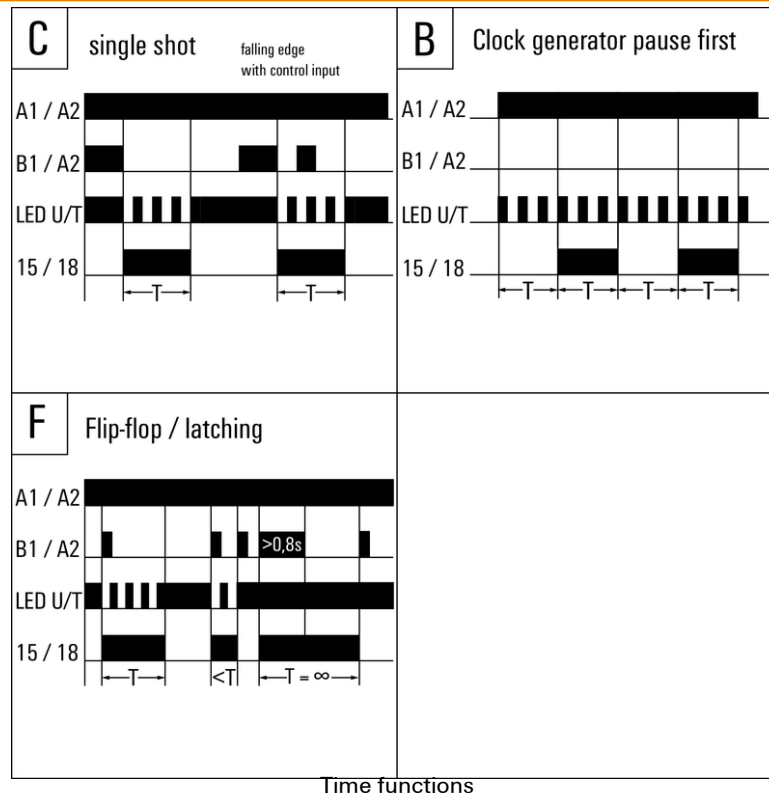
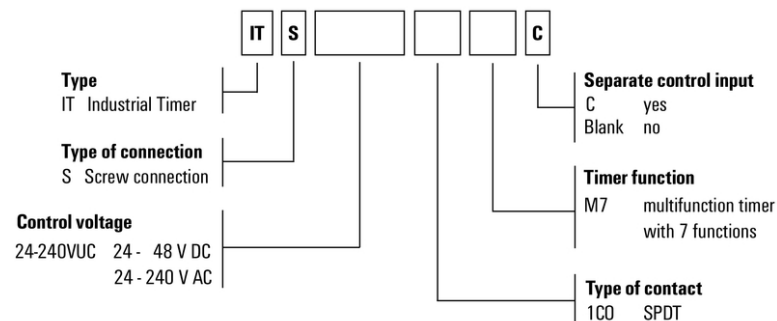
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Drawings
Graph


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Type codes


Miscellaneous

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