

ITS 24-240VUC M7C PU10

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



Similar to illustration

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, Rated control voltage: 24...48 V DC, 24...230 V AC, Continuous current: 5 A, Screw connection
Order No.	2545120000
Type	ITS 24-240VUC M7C PU10
GTIN (EAN)	4050118555066
Qty.	10 items

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	57.9 mm	Depth (inches)	2.2795 inch
Height	98 mm	Height (inches)	3.8583 inch
Width	17.5 mm	Width (inches)	0.689 inch
Net weight	48.2 g		

Temperatures

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

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

Control side

Rated control voltage	24...48 V DC, 24...230 V AC	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	±6% (of scale-end value, for time range 0.05 s - 1 s), ±1.5% (of scale-end value, for all other time ranges)	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
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
Min. switching power	10 mA @ 12 V, 100 mA @ 5 V		

General data

Design	Installation housing; 1TE	Suitable for front mounting	No
Version	with separate control input	Mounting 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		

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Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	II	Clearance and creepage distances for control side - load side	≥ 1.5 mm
Dielectric strength for control side - load side	1.6 kV	Impulse withstand voltage	2.5 kV
Protection degree	IP20		

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 8.0	EC001439	ETIM 9.0	EC001439
ETIM 10.0	EC001439	ECLASS 14.0	27-37-16-05
ECLASS 15.0	27-37-16-05		

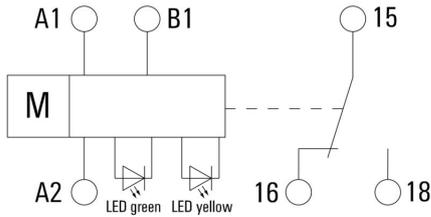
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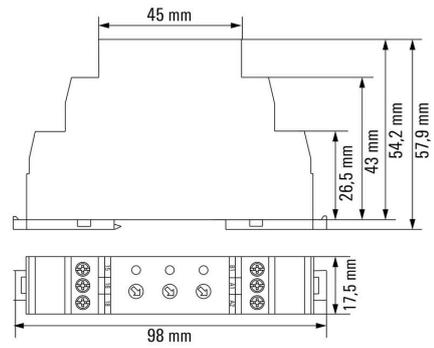
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Drawings

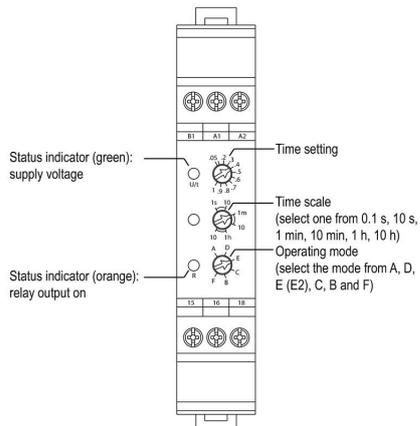
Wiring diagram



Dimensional drawing

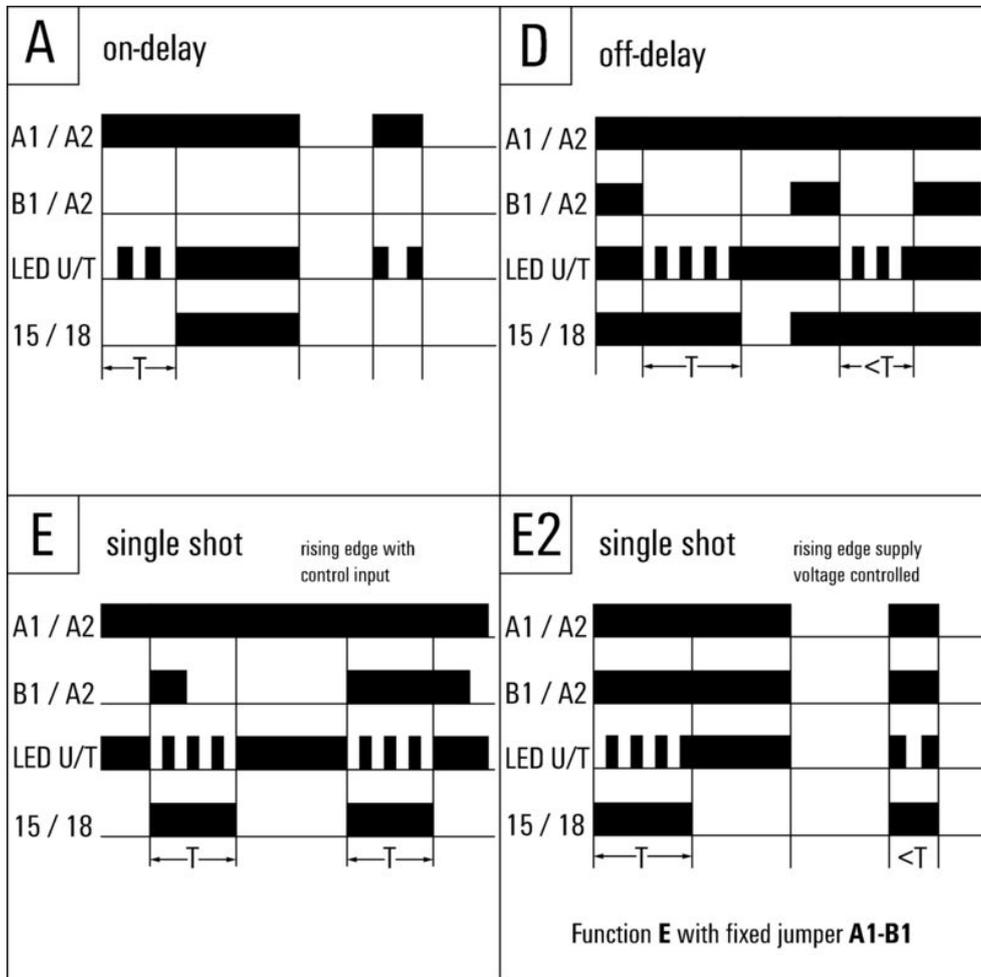


Miscellaneous



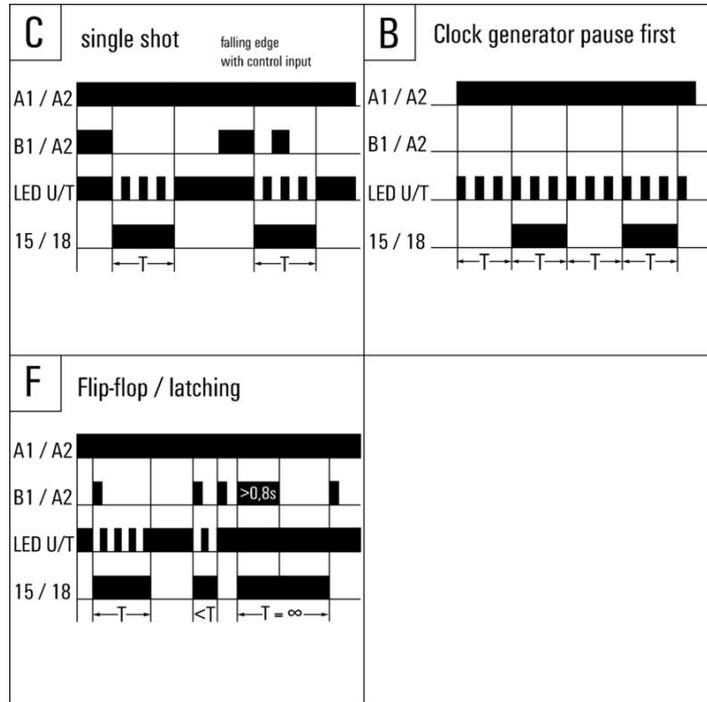
Detailed drawing

Graph



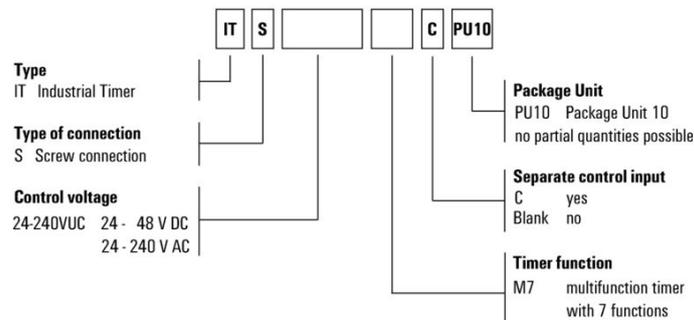
Time functions

Graph



Time functions

Type codes



This product is the same as order no. 2496190000 - ITS 24-240VUC 1C0 M7C (package unit 1 piece) but in a package unit of 10 pieces and a minimum order quantity of 500 pieces.

Miscellaneous

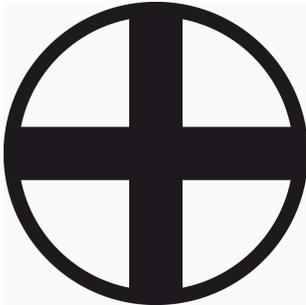
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Accessories

Crosshead screwdriver Phillips



Crosshead screwdriver, Phillips, SDK PH DIN 5262, ISO 8764/2-PH, output to ISO 8764-PH, ChromTop tip, SoftFinish grip

General ordering data

Type	SDK PH1 X 80	Version	
Order No.	2749410000	Screwdriver, Blade width (B): 4.5 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118895636		
Qty.	1 ST		

Type	SDIK PH1 X 80	Version	
Order No.	2749890000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118897098		
Qty.	1 ST		

Crosshead screwdriver, Phillips



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

Type	SDIK SLIM PH1 X 80	Version	
Order No.	2749650000	Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1	
GTIN (EAN)	4050118896398		
Qty.	1 ST		

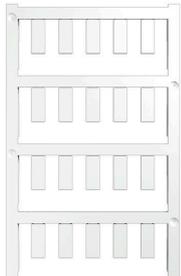
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Accessories

Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.

Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.

Advantages at a glance:

- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

For custom printing: Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

General ordering data

Type	ESG 6/15 K MC NE GE	Version
Order No.	1880130000	ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478910	
Qty.	200 ST	
Type	ESG 6/15 K MC NE WS	Version
Order No.	1880100000	ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478781	
Qty.	200 ST	
Type	ESG 6/17 K MC NE GE	Version
Order No.	1880110000	ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive
GTIN (EAN)	4032248478798	
Qty.	200 ST	
Type	ESG 6/17 K MC NE WS	Version
Order No.	1880120000	ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive
GTIN (EAN)	4032248478804	
Qty.	200 ST	

ESG 6/15



Guaranteed long service life: ESG

The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.

Your benefits with MultiMark

- “Different materials for various requirements”
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/15 MM WS	Version
Order No.	2619940000	ESG, Device markers, 6 x 15 mm, white
GTIN (EAN)	4050118626148	
Qty.	3000 ST	

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ESG 6/17



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- Can be used with equipment from many manufacturers
- Device markers with a familiar design

General ordering data

Type	ESG 6/17 MM WS	Version	
Order No.	2005100000	ESG, Device markers, 6 x 17 mm, white	
GTIN (EAN)	4050118390728		
Qty.	3000 ST		