

**ITS 24-240VUC M7C PU10****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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.  | <a href="#">2545120000</a>  |
| Type       | ITS 24-240VUC M7C PU10  |
| GTIN (EAN) | 4050118555066   |
| Qty.       | 10 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 | 48.2 g  |                 |            |

## Temperatures

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

## 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 <sup>6</sup> 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                 | 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 | ≥ 1.5 mm |
| Dielectric strength for control side - load side | 1.6 kV | Impulse withstand voltage                                     | 2.5 kV   |
| Protection degree                                | IP20   |   |          |

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## Technical data

## 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 <sup>2</sup> |
| Clamping range, min.  | 0.25 mm <sup>2</sup> | Clamping range, max.  | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.   | AWG 23               | Wire connection cross section AWG, max.   | AWG 14              |
| Wire cross-section, solid, min.   | 0.25 mm <sup>2</sup> | Wire cross-section, solid, max.   | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, min.                                    | 0.25 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.25 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.25 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 2.5 mm <sup>2</sup> |
| Blade size  | size PH1             |   |                     |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001439    | ETIM 7.0    | EC001439    |
| ETIM 8.0    | EC001439    | ETIM 9.0    | 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 |
| ECLASS 12.0 | 27-37-16-05 | ECLASS 13.0 | 27-37-16-05 |

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Approvals

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

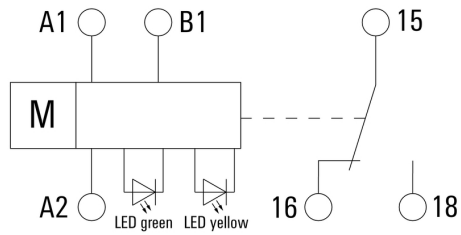
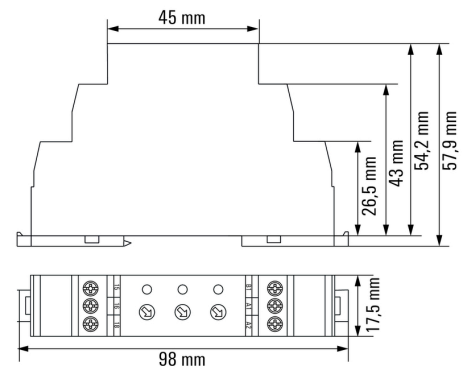
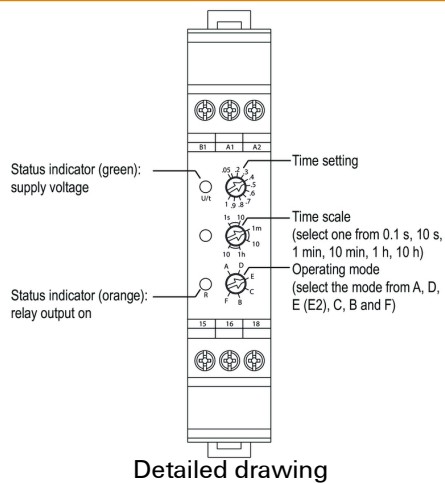
## Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a>   |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| User Documentation                          | <a href="#">Beipackzettel / Package Insert – multilingual</a><br><a href="#">Beschreibung der Zeitfunktionen - Deutsch</a><br><a href="#">Declaration of timing functions - English</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>  |

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**Drawings**
**Wiring diagram**

**Dimensional drawing**

**Miscellaneous**


Detailed drawing

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**Accessories****ESG 6/17****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 6/17 MM WS             | Version                               |
| Order No.  | <a href="#">2005100000</a> | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728              |                                       |
| Qty.       | 3,000 pc(s).               |                                       |

**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.  | <a href="#">2749650000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118896398              |   |
| Qty.       | 1 pc(s).                   |   |

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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.  | <a href="#">2749410000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): |
| GTIN (EAN) | 4050118895636              |   |
| Qty.       | 1 pc(s).                   |   |

## 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 WS        | Version   |
| Order No.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive  |
| GTIN (EAN) | 4032248478781              |   |
| Qty.       | 200 pc(s).                 |   |
| Type       | ESG 6/15 K MC NE GE        | Version   |
| Order No.  | <a href="#">1880130000</a> | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910              |   |
| Qty.       | 200 pc(s).                 |   |

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|            |                            |                                       |
|------------|----------------------------|---------------------------------------|
| Type       | ESG 6/15 MM WS             | Version                               |
| Order No.  | <a href="#">2619940000</a> | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148              |                                       |
| Qty.       | 3,000 pc(s).               |                                       |

**Crosshead screwdriver Phillips**

VDE insulated crosshead screwdriver, for Phillips screws, SDIK PH DIN 7438, ISO 8764/2-PH, output to ISO 8764-PH, SoftFinish grip

**General ordering data**

|            |                            |   |
|------------|----------------------------|---|
| Type       | SDIK PH1 X 80              | Version   |
| Order No.  | <a href="#">2749890000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897098              |   |
| Qty.       | 1 pc(s).                   |   |

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****Blank**

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|            |                            |   |
|------------|----------------------------|---|
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| Order No.  | <a href="#">1880110000</a> | ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478798              |   |
| Qty.       | 200 pc(s).                 |   |
| Type       | ESG 6/17 K MC NE WS        | Version   |
| Order No.  | <a href="#">1880120000</a> | ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive  |
| GTIN (EAN) | 4032248478804              |   |
| Qty.       | 200 pc(s).                 |   |

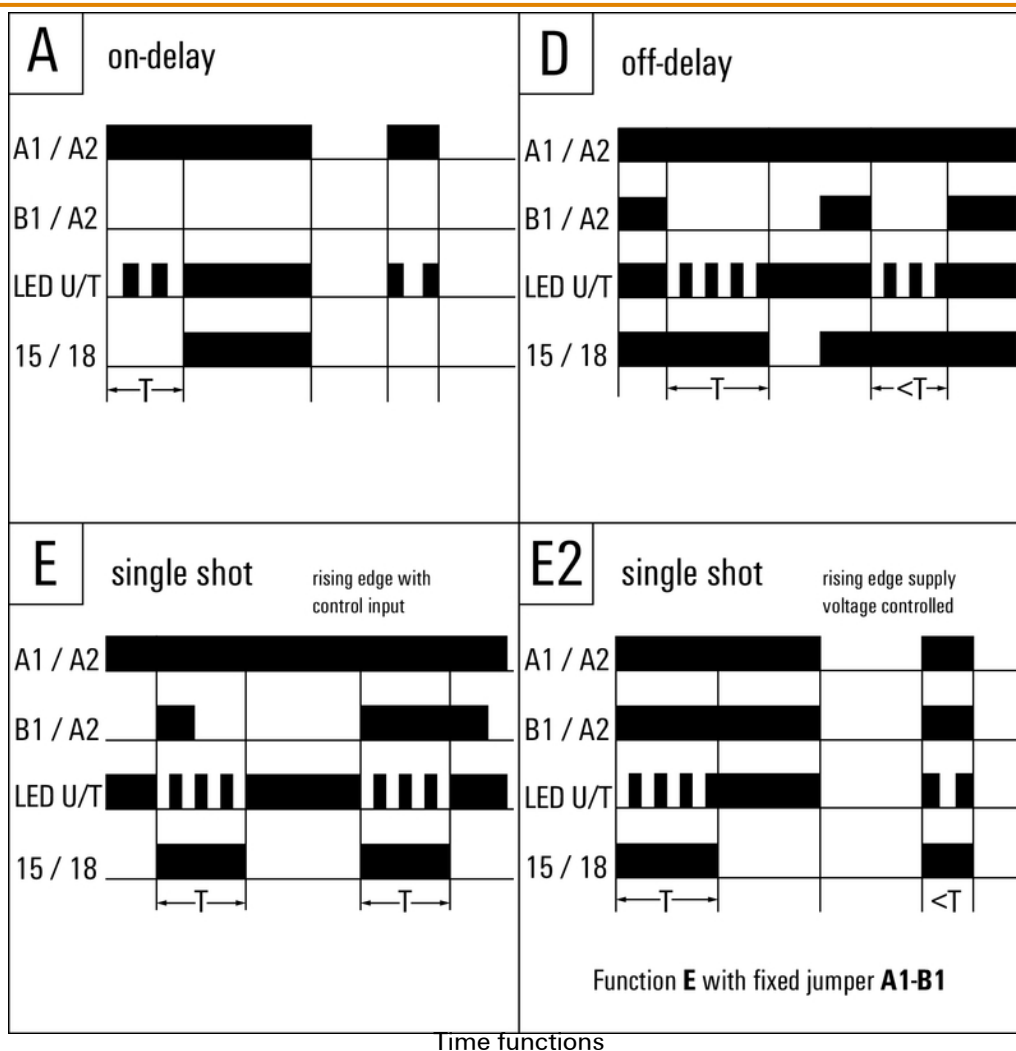


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**Drawings**
**Graph**


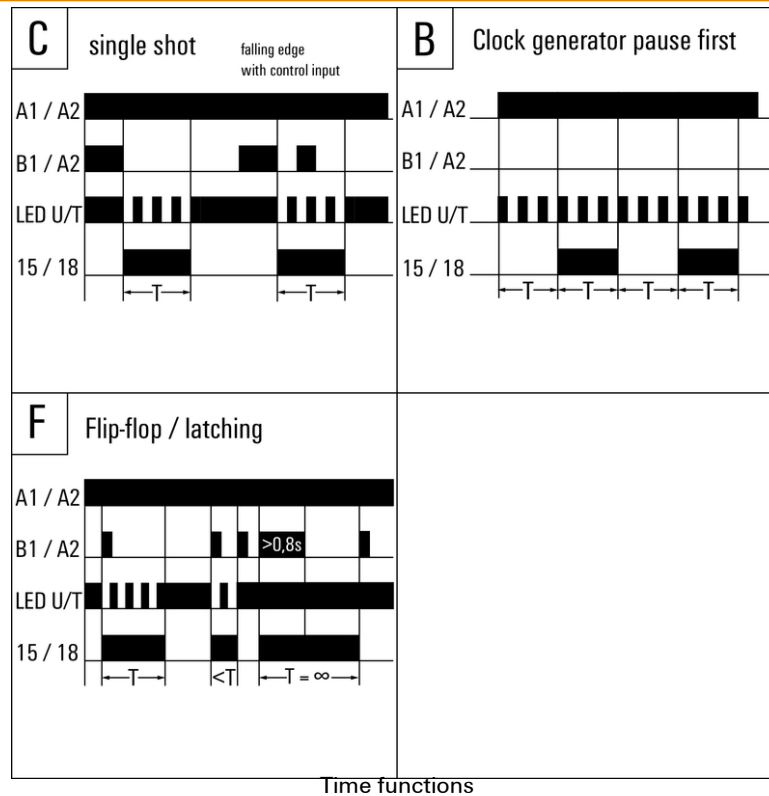
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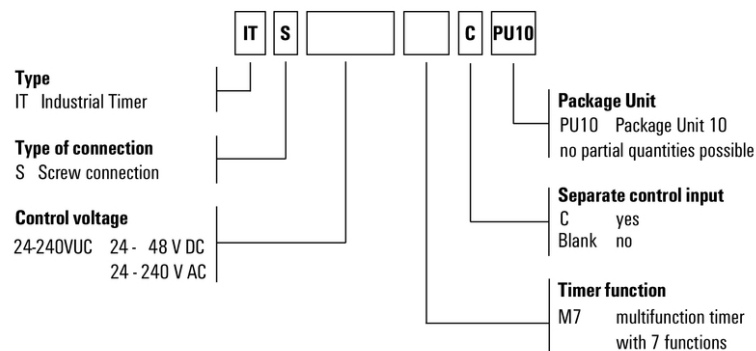
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## Drawings

## Graph



## 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

Creation date May 7, 2024 11:55:04 PM CEST

Catalogue status 04.05.2024 / We reserve the right to make technical changes.