

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, Rated control voltage: 24...48 V DC, 24...230 V AC, 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 | | |

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 | 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 | 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 |

Approvals

Approvals



ROHS

Conform

Downloads

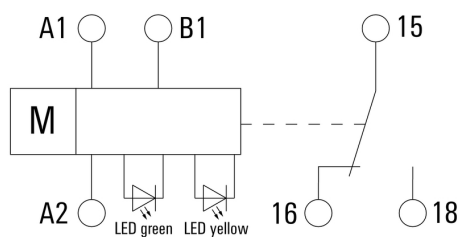
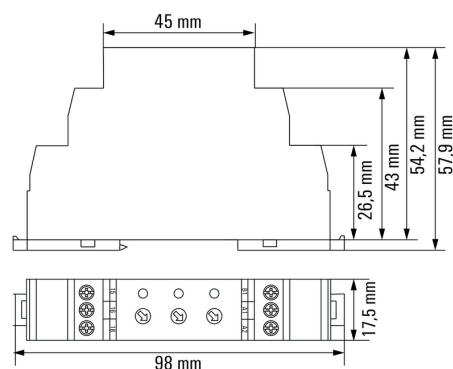
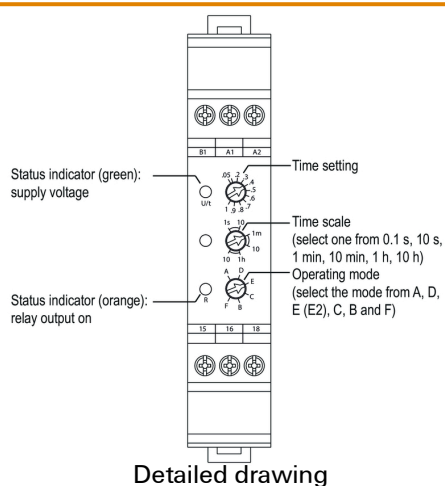
| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Beipackzettel / Package Insert – multilingual Beschreibung der Zeitfunktionen - Deutsch Declaration of timing functions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

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Drawings
Wiring diagram

Dimensional drawing

Miscellaneous


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

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www.weidmueller.com**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): 1 mm, 80 mm, Blade thickness (A): |
| GTIN (EAN) | 4050118895636 | |
| Qty. | 1 pc(s). | |

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. | 2005100000 | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728 | |
| Qty. | 3,000 pc(s). | |

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www.weidmueller.com**Accessories****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. | 2749890000 | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897098 | |
| Qty. | 1 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. | 2749650000 | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118896398 | |
| Qty. | 1 pc(s). | |

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Accessories

ESG 6/15

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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. | 3,000 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 6/17 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 pc(s). | |
| 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 pc(s). | |

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www.weidmueller.com**Accessories****Blank**

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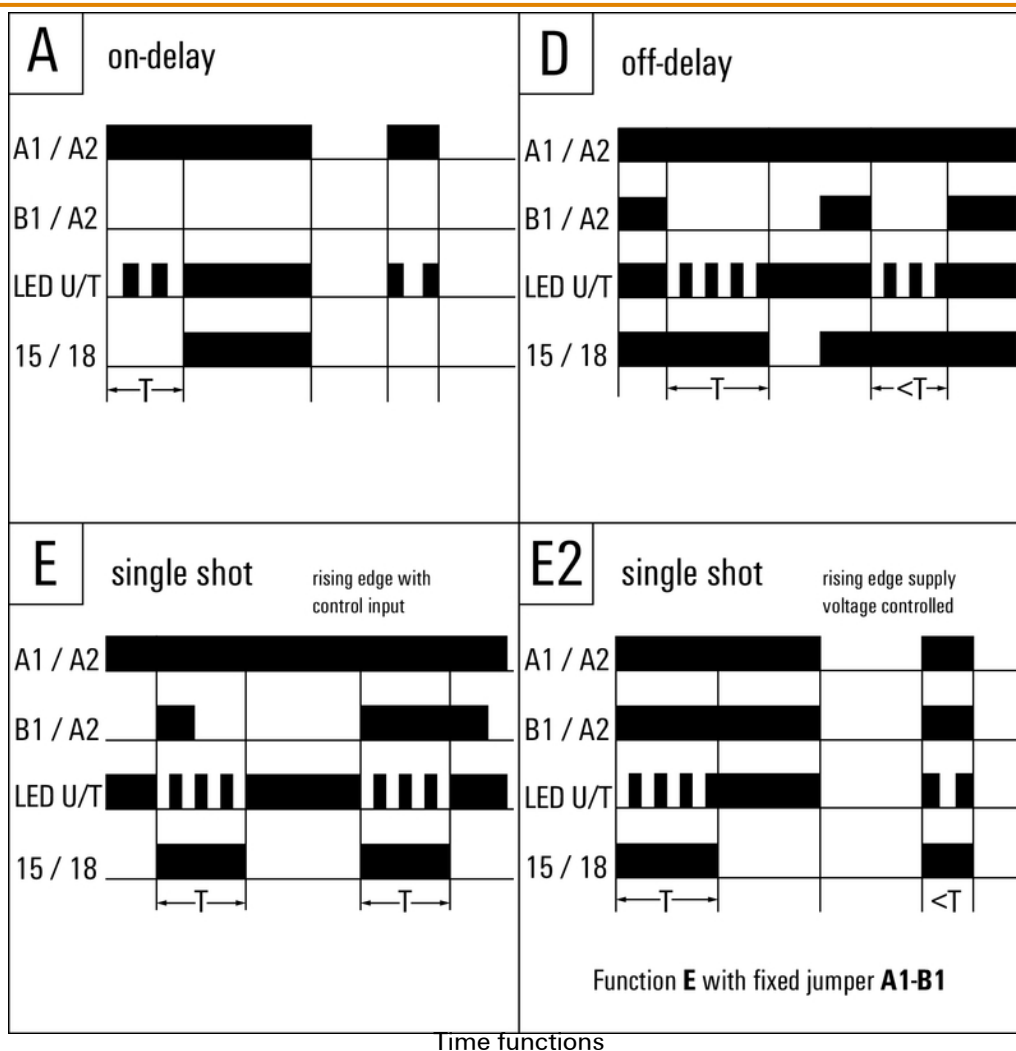
| | | |
|------------|----------------------------|---|
| Type | ESG 6/15 K MC NE WS | Version |
| Order No. | 1880100000 | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781 | |
| Qty. | 200 pc(s). | |
| Type | ESG 6/15 K MC NE GE | Version |
| Order No.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

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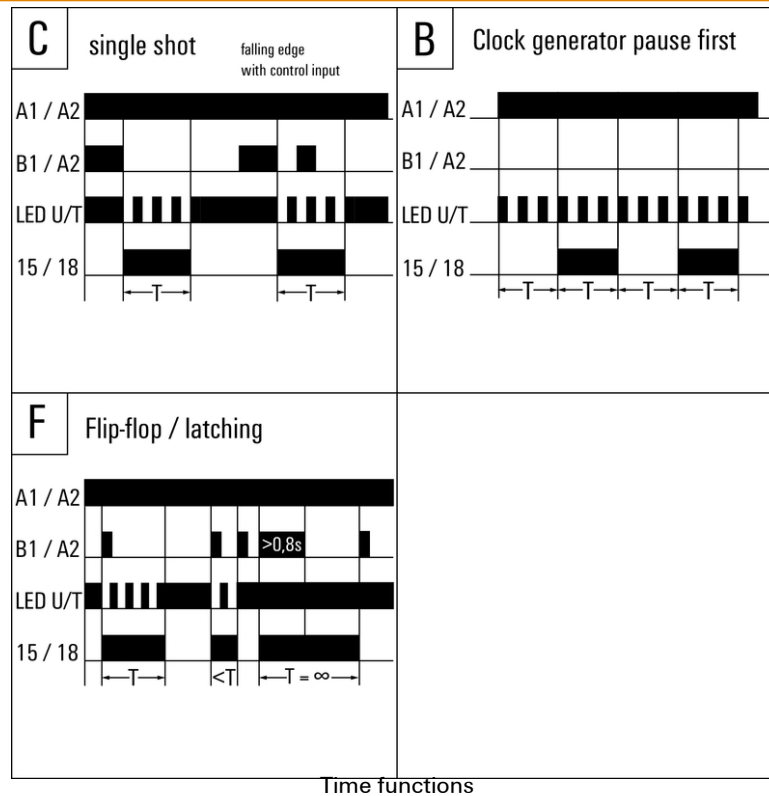
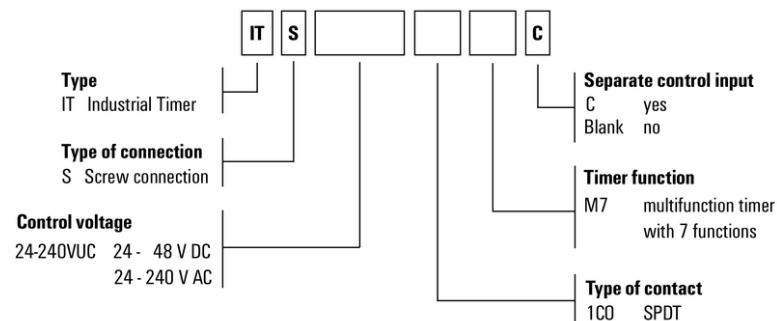
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Drawings
Graph


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Drawings
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Type codes


Miscellaneous

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