

Klippon® Relay

# Compact timing relays for universal applications in factory and building automation

Application range – Timing functions



# Timing functions

## Reliable timing relays for plant and building automation

### Introduction

Timing relays play an important role in many areas of plant and building automation. They are always used when switch-on or switch-off processes are to be delayed or when short pulses are to be extended. They are used, for example, to avoid errors during short switching cycles that cannot be reliably detected by downstream control components. Timing relays are also a simple way of integrating timer functions into a system without PLC, or implementing them without programming effort.

|  |  |    |
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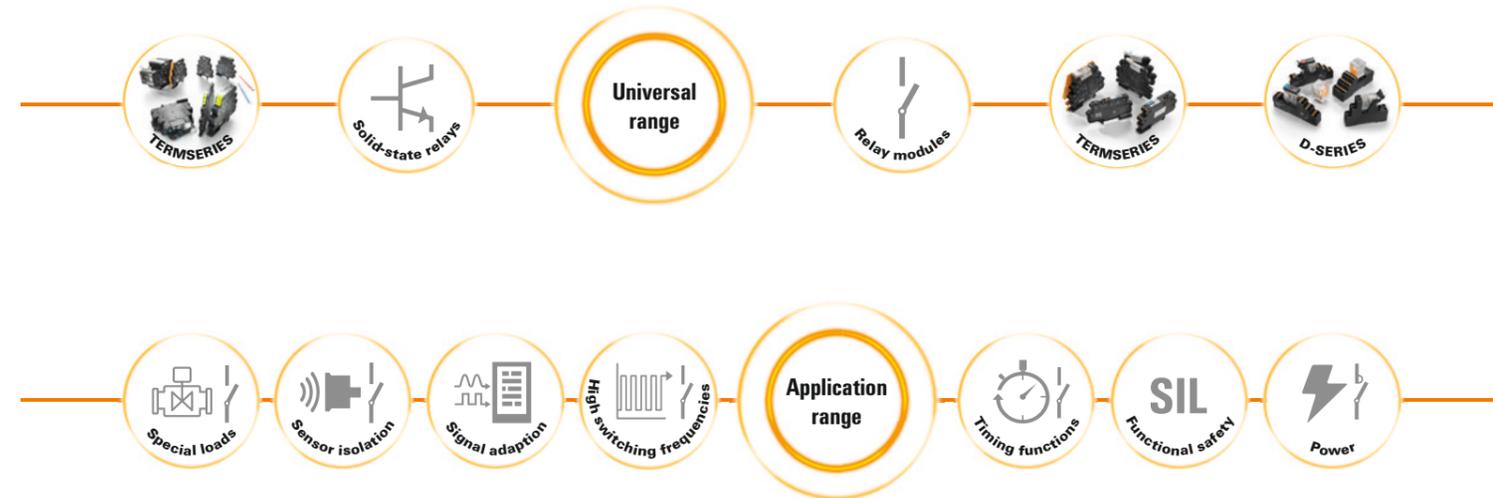
# Solutions for more productivity

## Highly flexible design processes – with Klippon® Relay

For more than 40 years, we have specialised in the optimisation of cabinet infrastructures. Our wide range of relay modules, solid-state relays and additional value-added services combine the highest standards with ultimate quality. Less wiring effort, housing optimisation through space saving, optimal marking and cost reductions – our customers challenges are our motivation. Our assortment impresses through reliability, longevity and safety.

Supplemented by our digital data support, switching load consulting and online selection guides, we support our customers throughout the entire work process – from the plan-ning phase to installation and operation.

In our universal range, you will find an extensive portfolio of relay modules and solid-state relays in various designs.



In our application range, you will find a tailor-made portfolio of products to increase your productivity and safety for various fields of application.



Visit our website for more information  
[www.weidmueller.com/klipponrelay](http://www.weidmueller.com/klipponrelay)

# Application range

## Relay modules and solid-state relays for specific applications

In many industrial applications today, individual, customised solutions and components are used to increase system efficiency and system productivity. These include, for example, protective circuits for greater fail-safe performance, timing relays for adjusting signals, relays for functional safety and space-saving components for use in limited installation spaces.

With our application range we provide you with a customised portfolio to increase your productivity, efficiency and safety in the most diverse fields of application. What's more, we work with you to develop customised solutions, combining the advantages and features of our portfolio with our expertise and consulting services.

We have a wide range of products that combine application-specific designs, the latest technologies and well-proven components to meet all your requirements.





**Sensor isolation**  
Space-saving and fast switching coupling elements to decouple sensors from the field.



**Power**  
Power solid-state contactor up to 75 A and miniature contactors up to 30 A.



**High switching frequencies**  
Specially designed solid-state relays for reliable and fast decoupling of signals up to 550 kHz.



**Timing functions**  
Timing relays are used in automation technology to compensate for errors due to short cycle times.



**Signal adaption**  
Adaptation of signals and their transmission from other systems to the control cabinet level.



**Special loads**  
Relays to switch and monitor special loads, such as inductors and high inrush currents, safely and reliably.



**Functional safety**  
Specific safety relays required for signals in process safety-related systems



The following pages will guide you through our product range of time functions, show you their special features and are intended to support you in making the right choice.



# Reliable switch of timing functions

## TFI-SERIES



Application examples of the timing relays  
TFI-SERIES – Reliable control of  
time functions

### Compact timing relays for building and factory automation

Many functions in building and factory automation can be reliably controlled with the timing relays of the TFI series. Now the proven product series is also available with the time- and cost-saving PUSH IN connection technology.

Four products of the TFI series are now available with the innovative PUSH IN connection technology. They can be used to cover the most important time-controlled applications in building and factory automation: On and off delay, impulse generator, and multifunction. Besides efficient wiring, the relays are particularly convincing due to their simple configuration by means of rotary switches on the front of the housing. The changeover outputs enable fast error messages and targeted switch-off.

#### Your special advantages:

- Recessed potentiometer buttons
- Analog indication of LED
- Temperature range -25 °C to +60 °C
- CE-conform & UL-certified



#### Efficient PUSH IN connection technology

Due to PUSH IN connection technology, the wiring time during installation is significantly reduced. The coloured pushers prevent incorrect wiring.

Installation design

#### Simple configuration

The configuration of time functions and time ranges is easily done via a rotary switch on the front of the unit.

#### International compliance

TFI-SERIES products comply with the international standard for timing relays according to EN 61812-1 in terms of design and function.

Compact industrial design



#### With cULus listing for USA and Canada

All timing relays have a cULus listing for use in the North American market, without any problems.



Visit our website  
for more information

# Multifunction TFI-SERIES

## Technical Data

### Input

- Rated control voltage: 12 - 240 V UC

### Output

- Contact type: 1 changeover
- Continuous current: 8 A

### General Data

- Installation design
- Status displays:
  - LED green (U/t):
    - Flashes when time runs
    - Lights permanently with supply voltage is applied
  - LED yellow (R):
    - Relay closed
- Dimensions (W x H x D): 17.5 x 87 x 60 mm
- Temperature range: -25 °C to 55 °C
- Connection: PUSH IN / Screw connection

### Time ranges

0.05 s - 1 s, 0.5 s - 10 s, 3 s - 60 s, 30 s - 10 min, 3 min - 1 h, 30 min - 10 h, 5 h - 100 h

| Type                   | Connection       | VPE | Order No.  |
|------------------------|------------------|-----|------------|
| TFIS 12-240VUC 1CO M7C | Screw connection | 1   | 2697250000 |
| TFIP 12-240VUC 1CO M7C | PUSH IN          | 1   | 2898320000 |

## Timing functions

**Bp** Clock generator pause first

**E** On-delay

**Es** On-delay with control input

**R** Off-delay with control input

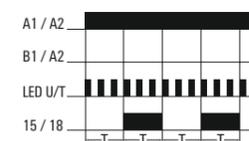
**Wa** Single shot falling edge with control input

**Ws** Single shot rising edge with control input

**Wu** Single shot rising edge supply voltage controlled

## Timing functions

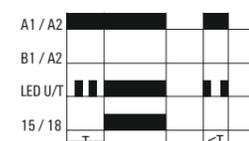
**Bp** Clock generator pause first



### Clock generator pause first (Bp)

When the supply voltage U is applied, the set interval t begins. After the interval t has expired, the output relay R switches into on-position and the set interval t begins again. After the interval t has expired, the output relay switches into off-position. The output relay is triggered at a ratio of 1:1 until the supply voltage is interrupted.

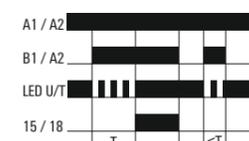
**E** On-delay



### On-delay (E)

When the supply voltage U is applied, the set interval t begins. After the interval t has expired, the output relay R switches into on-position. This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the expiry of the set interval, the interval t already expired is erased and is restarted when the supply voltage is next applied.

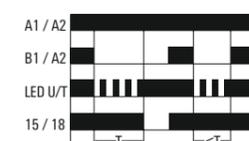
**Es** On-delay with control input



### On-delay with control input (Es)

The supply voltage U must be constantly applied to the device. When the control contact S is closed, the set interval t begins. After the interval t has expired the output relay R switches into on-position. This status remains until the control contact is opened again. If the control contact is opened before the interval t has expired, the interval already expired is erased and is restarted with the next cycle.

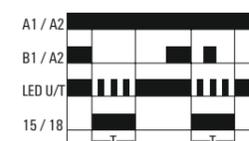
**R** Off-delay with control input



### Off-delay with control input (R)

The supply voltage U must be constantly applied to the device. When the control contact S is closed, the output relay R switches into on-position. If the control contact is opened, the set interval t begins. After the interval t has expired the output relay switches into off-position. If the control contact is closed again before the set interval has expired, the interval already expired is erased and is restarted.

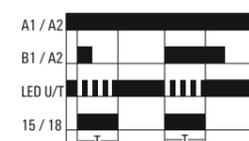
**Wa** Single shot falling edge with control input



### Single shot falling edge with control input (Wa)

The supply voltage U must be constantly applied to the device. Closing the control contact S has no influence on the condition of the output R. When the control contact is opened, the output relay switches into on-position and the set interval t begins. After the set interval has expired, the output relay switches into off-position. During the interval, the control contact can be operated any number of times. A further cycle can only be started when the cycle run has been completed.

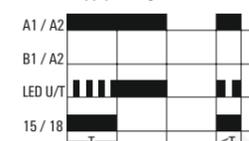
**Ws** Single shot rising edge with control input



### Single shot rising edge with control input (Ws)

The supply voltage U must be constantly applied to the device. When the control contact S is closed, the output relay R switches into on-position and the set interval t begins. After the interval t has expired the output relay switches into off-position. During the interval, the control contact can be operated any number of times. A further cycle can only be started when the cycle run has been completed.

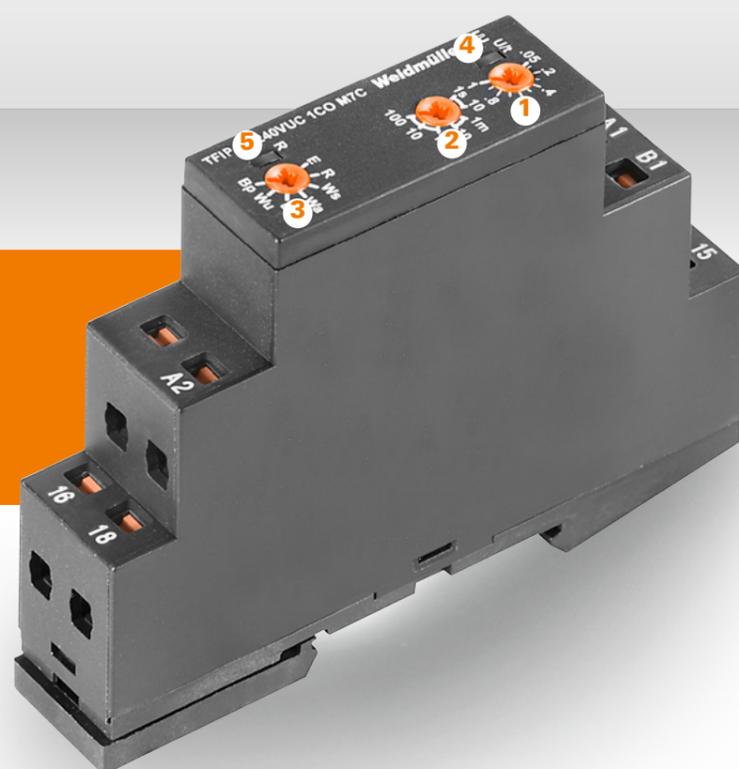
**Wu** Single shot rising edge supply voltage controlled



### Single shot rising edge supply voltage controlled (Wu)

When the supply voltage U is applied, the output relay R switches into on-position and the set interval t begins. After the interval t has expired the output relay switches into off-position. This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the interval t has expired, the output relay switches into off-position. The interval already expired is erased and is restarted when the supply voltage is next applied.

- Time setting
- Timescale
- Timing function
- Status display (green): Supply voltage
- Status display (yellow): Relay closed



Visit our website  
for more information

# On-delay TFI-SERIES

## Technical Data

### Input

- Rated control voltage: 12 - 240 V UC

### Output

- Contact type: 1 changeover
- Continuous current: 8 A

### General Data

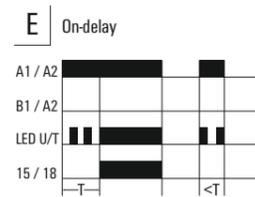
- Installation design
- Status displays:
  - LED green (U/t):
    - Flashes when time runs
    - Lights permanently with supply voltage is applied
  - LED yellow (R):
    - Relay closed
- Dimensions (W x H x D): 17.5 x 87 x 60 mm
- Temperature range: -25 °C to 55 °C
- Connection: PUSH IN / Screw connection

### Time ranges

0.05 s - 1 s, 0.5 s - 10 s, 3 s - 60 s, 30 s - 10 min, 3 min - 1 h, 30 min - 10 h, 5 h - 100 h

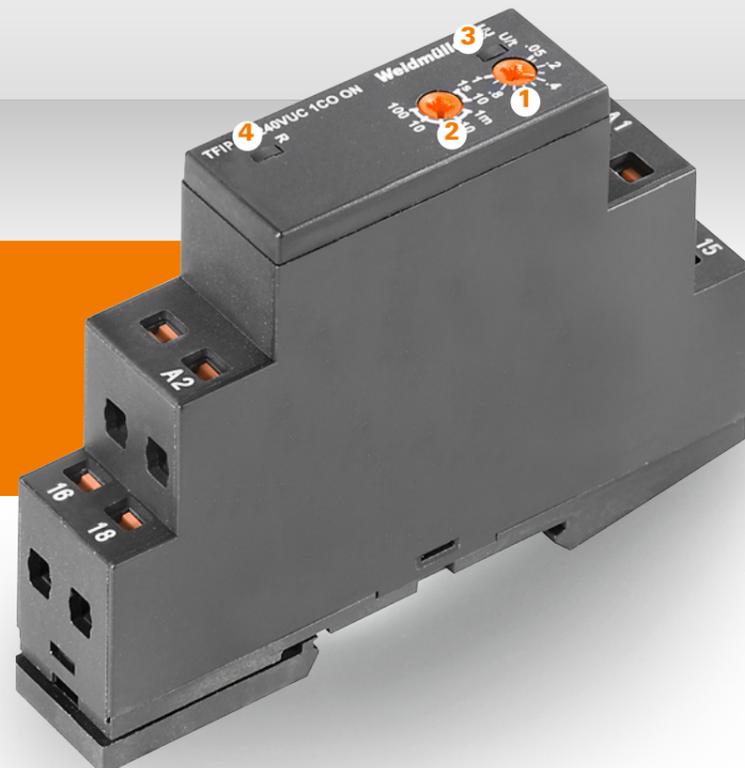
| Type                  | Connection       | VPE | Order No.  |
|-----------------------|------------------|-----|------------|
| TFIS 24-240VUC 1CO ON | Screw connection | 1   | 2697280000 |
| TFIP 24-240VUC 1CO ON | PUSH IN          | 1   | 2898340000 |

## Timing functions



### On-delay (E)

When the supply voltage U is applied, the set interval t begins. After the interval t has expired the output relay R switches into on-position. This status remains until the supply voltage is interrupted. If the supply voltage is interrupted before the expiry of the set interval, the interval t already expired is erased and is restarted when the supply voltage is applied next.



- Time setting
- Timescale
- Status display (green): Supply voltage
- Status display (yellow): Relay closed



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for more information

# Off-delay TFI-SERIES

## Technical Data

### Input

- Rated control voltage: 12 - 240 V UC

### Output

- Contact type: 1 changeover
- Continuous current: 8 A

### General Data

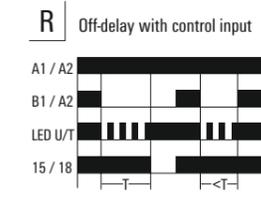
- Installation design
- Status displays:
  - LED green (U/t):
    - Flashes when time runs
    - Lights permanently with supply voltage is applied
  - LED yellow (R):
    - Relay closed
- Dimensions (W x H x D): 17.5 x 87 x 60 mm
- Temperature range: -25 °C to 55 °C
- Connection: PUSH IN / Screw connection

### Time ranges

0.05 s - 1 s, 0.5 s - 10 s, 3 s - 60 s, 30 s - 10 min, 3 min - 1 h, 30 min - 10 h, 5 h - 100 h

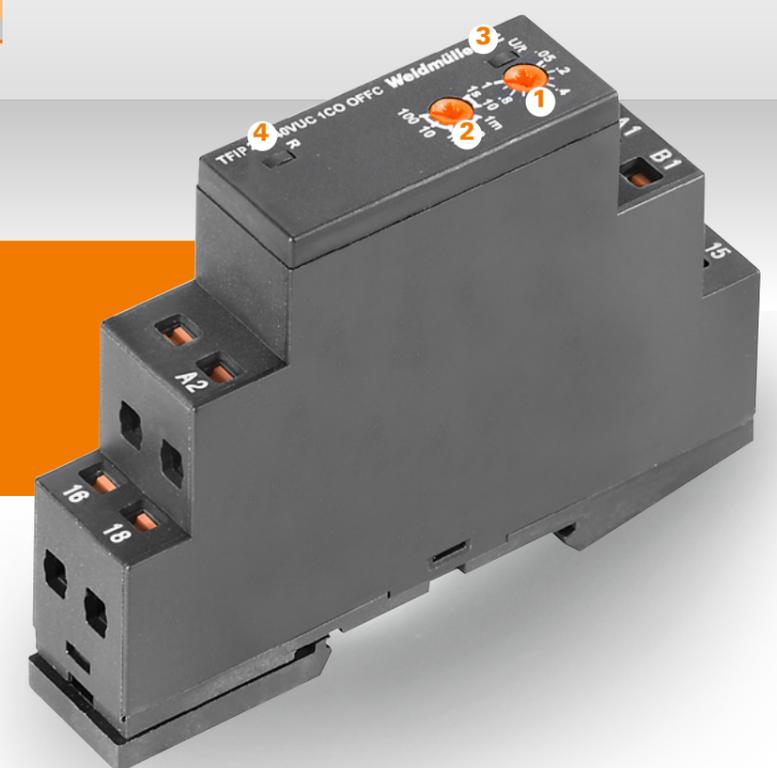
| Type                    | Connection       | VPE | Order No.  |
|-------------------------|------------------|-----|------------|
| TFIS 24-240VUC 1CO OFFC | Screw connection | 1   | 2697290000 |
| TFIP 24-240VUC 1CO OFFC | PUSH IN          | 1   | 2898330000 |

## Timing functions



### Off-delay with control input (R)

The supply voltage U must be constantly applied to the device. When the control contact S is closed, the output relay R switches into on-position. If the control contact is opened, the set interval t begins. After the interval t has expired the output relay switches into off-position. If the control contact is closed again before the set interval has expired, the interval already expired is erased and is restarted with next cycle.



- Time setting
- Timescale
- Status display (green): Supply voltage
- Status display (yellow): Relay closed



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for more information

# Clock generator

## TFI-SERIES

### Technical Data

#### Input

- Rated control voltage: 12 - 240 V UC

#### Output

- Contact type: 1 changeover
- Continuous current: 8 A

#### General Data

- Installation design
- Status displays:
  - LED green (U/t):
    - Flashes slowly when time t1 runs
    - Flashes quickly when time t2 runs
  - Lights permanently when supply voltage is applied
  - LED yellow (R)
    - Relay closed
- Dimensions (W x H x D): 17.5 x 87 x 60 mm
- Temperature range: -25 °C to 55 °C
- Connection: PUSH IN / Screw connection

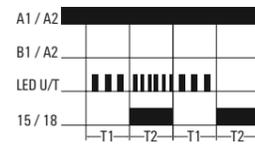
#### Time ranges

0.05 s - 1 s, 0.5 s - 10 s, 3 s - 60 s, 30 s - 10 min, 3 min - 1 h, 30 min - 10 h, 5 h - 100 h

| Type                  | Connection       | VPE | Order No.  |
|-----------------------|------------------|-----|------------|
| TFIS 12-240VUC 1CO CG | Screw connection | 1   | 2697260000 |
| TFIP 12-240VUC 1CO CG | PUSH IN          | 1   | 2898310000 |

### Timing functions

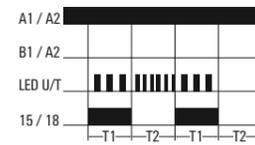
**lp** clock generator pause first



#### Clock generator pause first (Lp)

When the supply voltage U is applied, the set interval t1 begins. After the interval t1 has expired, the output relay R switches into on-position and the set interval t2 begins. After the interval t2 has expired, the output relay switches into off-position. The output relay is triggered at the ratio of the both set times until the supply voltage is interrupted.

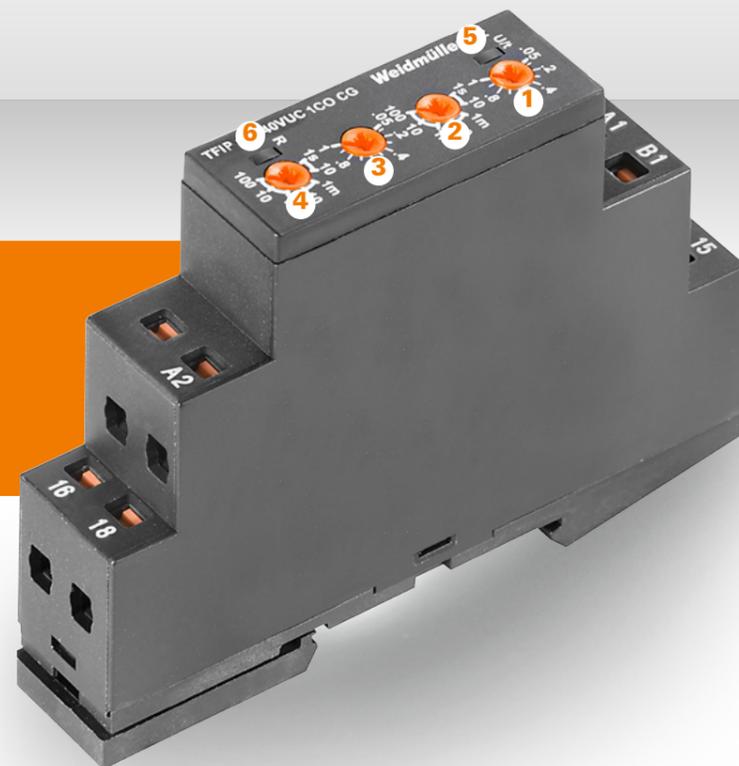
**li** clock generator pulse first



#### Clock generator pulse first (Li)

When the supply voltage U is applied, the output relay R switches into on-position and the set interval t1 begins. After the interval t1 has expired, the output relay switches into off-position and the set interval t2 begins. After the interval t2 has expired, the output relay switches into on-position. The output relay is triggered at the ratio of the both set times until the supply voltage is interrupted.

Function lp with fixed jumper A1-B1



- Time setting (t1)
- Timescale (t1)
- Time setting (t2)
- Timescale (t2)
- Status display (green): Supply voltage
- Status display (yellow): Relay closed



Visit our website for more information

# Star-Delta

## TFI-SERIES

### Technical Data

#### Input

- Rated control voltage: 12 - 240 V UC

#### Output

- Contact type: 2 normally open
- Continuous current: 3 A

#### General Data

- Industrial design
- Status displays:
  - LED green (U/t):
    - Flashes slowly when star-relay is closed, time t1 runs
    - Lights permanently when delta-relay is closed
  - LED yellow (R)
    - Star-relay closed
- Dimensions (W x H x D): 22.5 x 67 x 75 mm
- Temperature range: -25 °C to 60 °C
- Connection: Screw connection

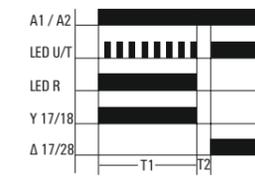
#### Time ranges

0.05 s - 10 s, 1.5 s - 30 s, 3 s - 60 s, 9 s - 180 s

| Type                  | Connection       | VPE | Order No.  |
|-----------------------|------------------|-----|------------|
| TFIS 12-240VUC 2NO SD | Screw connection | 1   | 2697270000 |

### Timing functions

**S** star-delta



#### Star-Delta Start-up (S)

When the supply voltage U is applied, the star-relay switches into on-position and the set star-time t1 begins. After the time t1 has expired the star-relay switches into off-position and the set transit-time t2 begins. After the time t2 has expired the delta-relay switches into on-position. To restart the function the supply voltage must be interrupted and reapplied.



- Time setting
- Timescale Y
- Timescale Y-Δ
- Status display (green): Supply voltage
- Status display (yellow): Star-relay closed



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# Adjust control signals even more easily

## TERMSERIES TIMER

### TERMSERIES timing relay with additional functions

Timing relays are used in automation technology to high offset errors from cycle rates. Short pulses are extended and reliably detected by downstream control components. For this task, TERMSERIES timing relays are special designed.

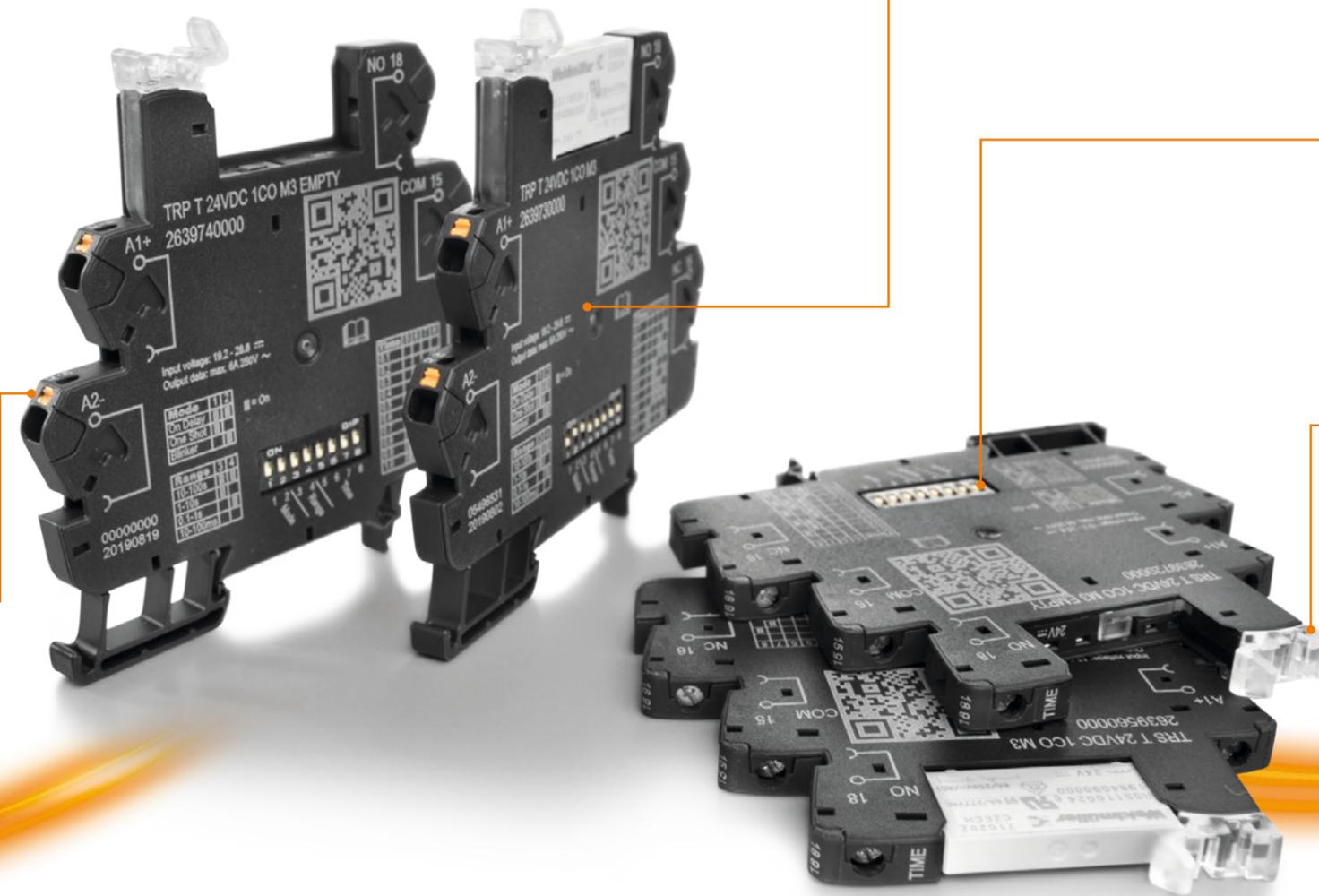
To increase the advantage of our TERMSERIES, we have implemented timing functions. The DIP switches on the side conveniently set the timing functions and time ranges. A Duo-LED on the ejection lever indicates the respective switching status. By providing extensive accessories in TERMSERIES, we guarantee high flexibility and enable easy integration into existing systems.

#### Your special advantages:

- Duo-LED on the ejection lever
- Empty sockets for solid-state relays and mechanical relays
- Simple setting of the timing functions and time ranges



Available with screw connection and PUSH IN-connection technology



#### International approvals

TERMSERIES timing relays comply with EN 61812 for universal, worldwide application.

#### Comfortable adjustment

Timing function and time ranges are set easily via the DIP switches on the side.

#### Clear display

Due to the integrated Duo-LED on the ejection lever, power supply and switching status can be checked at a glance.



Visit our website for more information

# Adjust control signals even more easily

## TERMSERIES TIMER

### Technical Data

#### Input

- Rated control voltage: 24 V DC

#### Output

- Contact type: 1 changeover
- Continuous current: 6 A and 10 A

#### General Data

- 6 mm narrow design
- Status displays:
  - Duo-LED orange:
    - Lights permanently when relay closed
  - Duo-LED green:
    - Lights permanently when supply voltage is applied
    - Flashes in case of incorrect configuration, no function
  - Dimensions (W x H x D): 6.4 x 90 x 88 mm
- Temperature range: -20 °C to 60 °C
- Version: PUSH IN/Screw connection
- Connection: Relay modul/Empty socket

#### Time ranges

0.01 s - 0.1 s, 0.1 s - 1 s, 1 s - 10 s, 10 s - 100 s

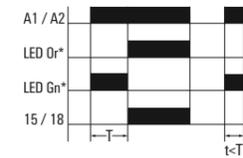
Example: DIP switch adjustment for a on delay of 0.7 s

| Function              | DIP switch |   |   |   |   |   |   |   |
|-----------------------|------------|---|---|---|---|---|---|---|
| Mode = On Delay       | 1          | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Time range = 0.1...1s | ■          | ■ |   | ■ |   | ■ | ■ |   |
| Time factor = 0.7     |            |   |   |   |   |   |   |   |

■ = ON (DIP switch position)

### Timing functions

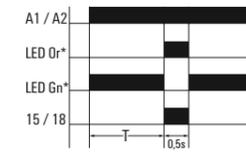
#### On Delay



#### On Delay

When the supply voltage A1/A2 is applied, the set time T begins to run. When the time has passed, the output relay 15/18 switches into on-position. This state remains active until the supply voltage is interrupted. If the supply voltage is interrupted before time T has passed, the already run time is deleted and restarted with the next application of supply voltage.

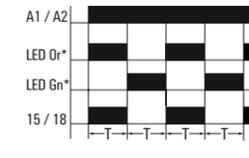
#### One Shot



#### One Shot

When the supply voltage A1/A2 is applied, the set time T runs. After the time T has passed, the output relay 15/18 switches into on-position for 0.5 s. After 0.5 s the output relay switches into off-position. The time function is not restarted until the next time the supply voltage is applied.

#### Blinker



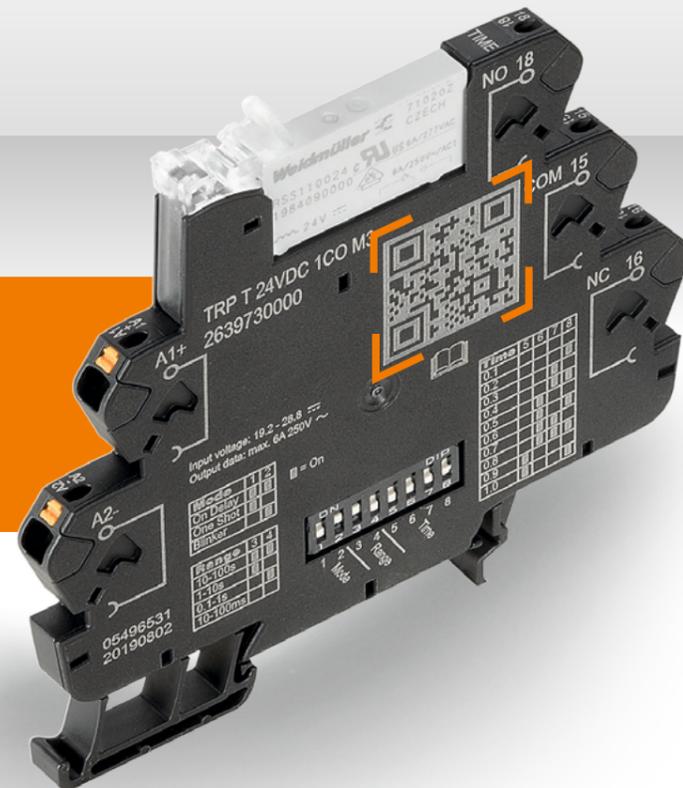
#### Blinker

When the supply voltage A1/A2 is applied, the output relay 15/18 switches into on-position. After the set pulse time T has passed, the output relay switches into off-position. After the pause time T has passed, the output relay is activated for the set time until the supply voltage is interrupted. (T=pulse time=pause time)

T = Time factor x Time range (final value) | \*LED Or = LED Orange | \*LED Gn = LED Green

### Scan the QR-Code

Scan the QR-Code on the TERMSERIES TIMER and you can access the product directly in our online catalogue.



### TERMSERIES TIMER

| Order No.          | 2639730000         | 2639740000               | 2639560000         | 2639720000               |
|--------------------|--------------------|--------------------------|--------------------|--------------------------|
| Type               | TRP T 24VDC 1CO M3 | TRP T 24VDC 1CO M3 EMPTY | TRS T 24VDC 1CO M3 | TRS T 24VDC 1CO M3 EMPTY |
| Connection         | PUSH IN            | PUSH IN                  | Screw connection   | Screw connection         |
| Continuous current | 6 A                | 10 A                     | 6 A                | 10 A                     |
| Version            | Relay modul        | Empty socket             | Relay modul        | Empty socket             |
| VPE                | 10                 | 10                       | 10                 | 10                       |



Visit our website for more information

# Compact timing relay for easy control signal adjustment

## IT-TIMER

### Multifunctional timing relay IT-TIMER with multi-voltage input

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 on- and off-delays and clock generator are available to users.

With the IT-TIMER, Weidmüller offers a highly efficient, multifunctional timing relay with multi-voltage input which fulfills the product standards according to EN 618121.

#### Your special advantages:

- High functionality and small footprint**  
 Due to the flat front panel, an easy-to-read LED display as well as operating elements adjustable by standard tools, the configuration is particularly straightforward.
- A compact device with easy configuration of the time functions**  
 Its compact size, the multi-voltage input and an easy configuration of the time functions make the IT-TIMER a smart solution for your application.
- Global standard**  
 International usage is guaranteed in accordance with the standard EN 618121.



**Seven timing functions**  
 Due to its multi-functional concept, the IT-TIMER covers a broad range of typically needed time functions.



### Technical Data

#### Input

- Rated control voltage: 24 - 48 V DC / 24 - 240 V AC

#### Output

- Contact type: 1 changeover
- Continuous current: 5 A

#### General Data

- Installation design
- Status displays:
  - LED green (U/t):
    - Flashes when time runs
    - Lights permanently with supply voltage is applied
  - LED yellow (R):
    - Relay closed
- Multifunction timing relays
- Dimensions (W x H x D): 17.5 x 98 x 57,9 mm
- Temperature range: - 25 °C to 50 °C
- Connection: Screw connection

#### Time ranges

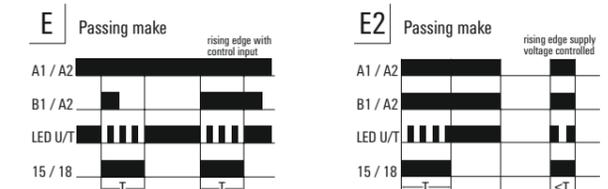
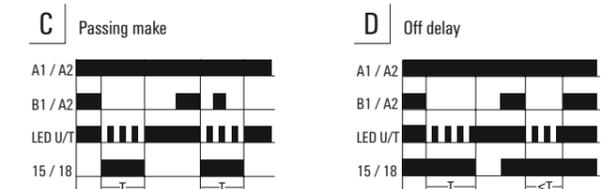
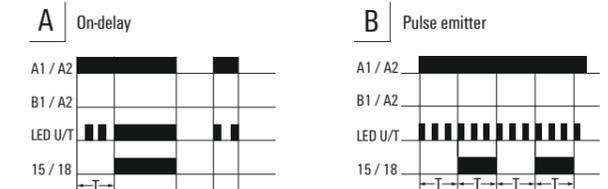
0.05 s - 1 s, 0.5 s - 10 s, 3 s - 60 s, 0.5 min - 10 min, 3 min - 1 h, 0.5 h - 10 h

| Type                   | VPE | Order No.  |
|------------------------|-----|------------|
| ITS 24-240VUC 1CO M7C  | 1   | 2496190000 |
| ITS 24-240VUC M7C PU10 | 10* | 2545120000 |

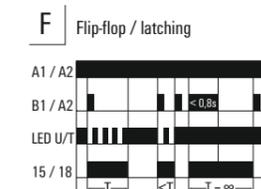
\*Minimum order quantity required

- Time setting
- Timescale
- Timing function
- Status display (green): Supply voltage
- Status display (yellow): Relay closed

### Timing functions



Function E with jumper between A1-B1



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# Pulse stretcher

## MCZ TO

**With a width of 6 mm, the MCZ TO pulse stretcher is one of the slimmest of its kind**

These pulse stretchers are ideal for extending very short input pulses of < 10 ms in automation technology.

The extended pulses are passed on to the PLC inputs for further processing. Conventional timing relays are not able to process very short input pulses. Such short pulses are generated e.g. by light barriers. Special features of the MCZ TO are:

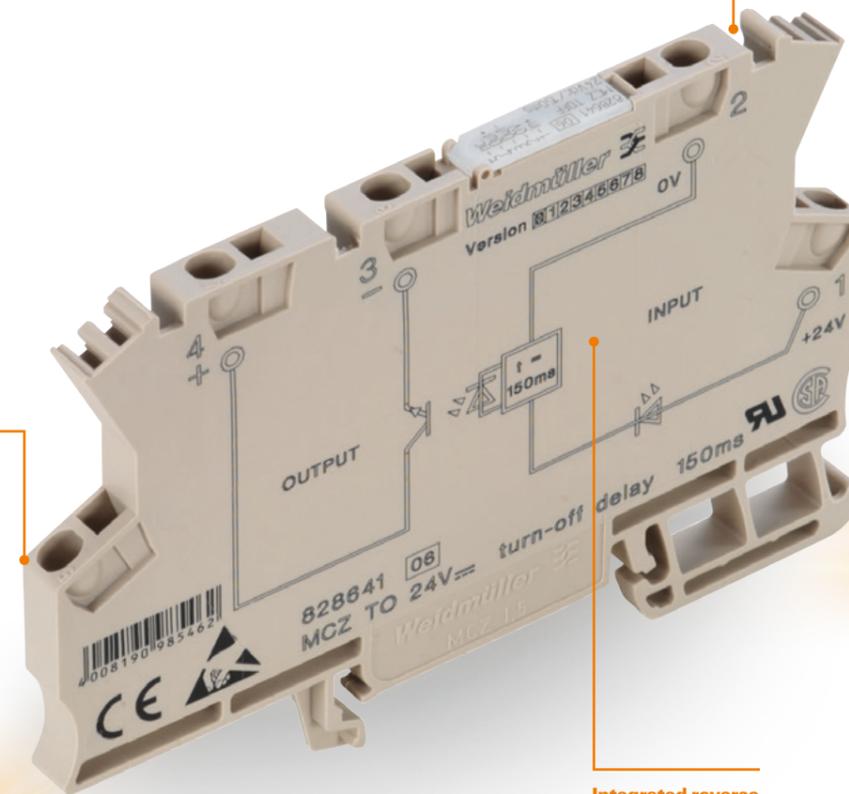
- No auxiliary voltages required for input or output
- Very short pulses  $\geq 3.5$  ms can be extended
- Restart of the off-delay (watchdog) possible
- Very compact design
- Precisely fitting accessories: cross-connections, markers, end plate

### Your special advantages:

- Identifies very short input pulses ( $\geq 3,5$  ms)
- 3 Cross-connections possibilities
- Tension clamp connection
- 6 mm width



No auxiliary voltage is required



Cross-connections

Integrated reverse polarity protection



| Type               | VPE | Order No.  |
|--------------------|-----|------------|
| MCZ TO 24VDC/150MS | 10  | 8286410000 |
| MCZ TO 24VDC/50MS  | 10  | 8324590000 |

### Technical Data

#### Input

- Rated control voltage: 24 V DC
- Status displays: LED green

#### Output

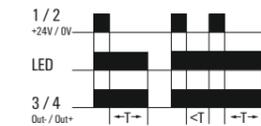
- Contact type: 1 changeover (Transistor)
- Rated switching voltage: 5 - 48 V DC
- Continuous current: 20 mA
- Switch-off delay: 50 ms or 150 ms

#### General Data

- Dimensions (W x H x D): 6.1 x 91 x 63.2 mm
- Temperature range: -25 °C to 50 °C
- Connection: Tension clamp

### Timing functions

Off-delay



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# The perfect match in engineering

## Product data and configurator from Weidmüller

We understand data as a digital product from Weidmüller and set standards for our customers – high-quality and reliable, consistent and future-oriented.



### The best data for the best solutions

Data is the basic for time-saving planning and project planning, error-free wiring, simple marking and consistent documentation of your product. More successful through standards: our product data are based on the industry standard eCl@ss. This offers a consistent semantics, which is especially needed for industry 4.0. Get started right away instead of tiresome converting data!

### Faster, better, safe in engineering – the WMC

Configure your required solutions and components simple and convenient with the Weidmüller Configurator and choose from over 10,000 Weidmüller products. The software is cross-platform ready, user-friendly and compatible with all major E-CAD planning tools. Thus, it actively supports you in solving configuration challenges with mounting rails, housings and HDC's.

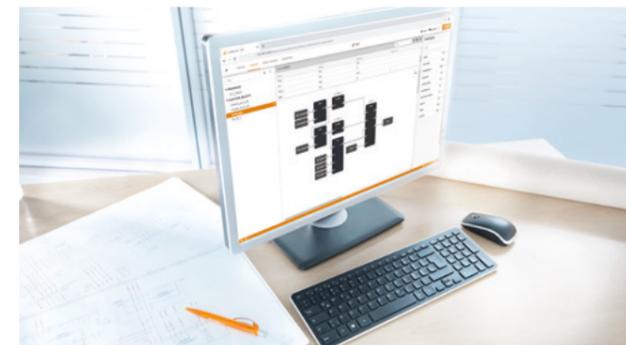


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Scan QR-Code and download the WMC

Weidmüller provides you with all of the data, software tools and interfaces that you need throughout your processes - from electrical and mechanical planning, ordering and production of configured products up to single products. No matter whether for cabinet building, automation, building planning or printed circuit board design: we offer you the solutions that accelerate your processes, tailored to your requirements.



### Engineering

Integrated engineering is the key to efficient product development. This requires a combination of engineering tools that can work together via interfaces and common data formats and sources. High-quality product information is required for planning in engineering systems such as Zuken or EPLAN. Weidmüller makes this information available in all common formats both in the data portals and on the Weidmüller website for you to download.



### Automation and manufacturing support

Engineering data from Weidmüller is based on the industry standard eCl@ss. This ensures both high quality and a depth of data that, together with our „ready-to-robot“ components, allows a high degree of automation. By using and combining such standardized formats as AutomationML and eCl@ss, the result of the integrated engineering - the digital product description - can even be used in production processes.



### Selection guide for electromechanical relay modules

Our selection guide in digital and printed form support you in finding the right relay for safe and reliable switching of special loads:

[www.weidmueller.com/relaysselector](http://www.weidmueller.com/relaysselector)



Download link of the print version

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