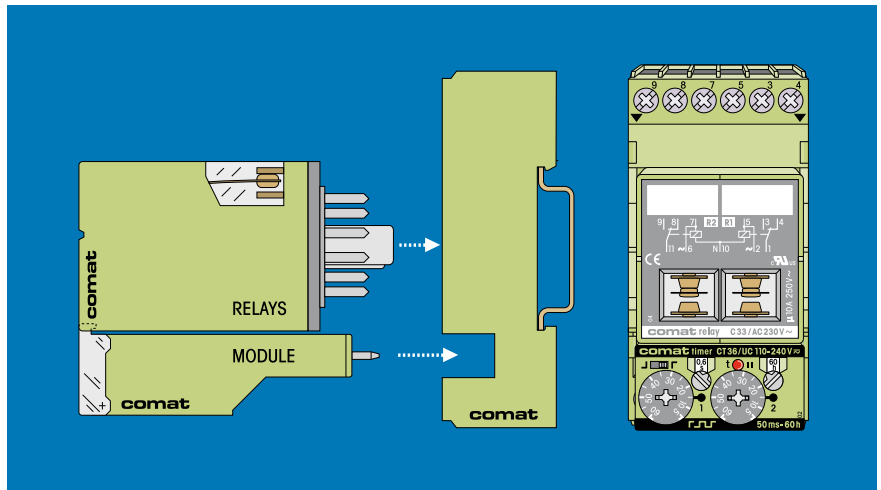


## Modular plug-in Time- and Monitoring relays



The modular time- and monitoring system consists of individual plug-in timer- and monitoring modules with front cover, an 11-pole output relay and the system socket with retaining spring.

The individual combination allows an optimal device selection for the foreseen application.

Later modifications as for example an exchange of relay from mechanical contacts to a relay with solid-state outputs are possible at any time.

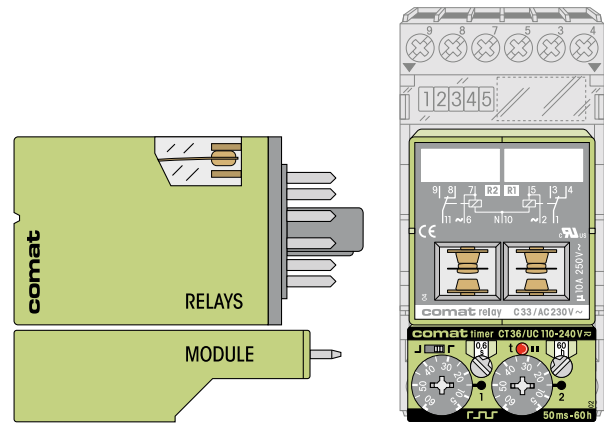
The user profits of a universal system of worldwide unique flexibility.

## The modular Comat CT System

The time delay relays and monitoring relays consist of plug-in CT electronic modules and 11-pole output relays. Both system components can be combined in a variety of combinations. This allows adapting the system for the specific application.

Subsequent modifications, for example a change from mechanical contacts to solid-state outputs, are possible at any time just by replacing the relay.

This system provides the user a complete universal system with worldwide unmatched flexibility.



**The system sockets** C12B0 or C-155 serve as a basis for the secure reception of the electronic modules. The sockets have a 4-pole module slot in which the CT modules lock firmly and vibration proof also without the output relay. Contact is made with reliable twin knife contacts.

With the A2 connector bridge "C-A2", the neutral conductor (N/-) can be connected as a 10A bus from socket to socket. It reduces wiring work considerably.

Robust terminals for wires up to 4 mm<sup>2</sup> and spacious labeling are other advantages of this practical Comat modular system.

Clear markings close to the terminal connections on the sockets make it easy to identify the connections for wiring and servicing.

**The CT modules** are proof of the practical oriented experiences of Comat in the field of industrial electronics. All control and display elements are arranged easy accessible at all times on the front side of the modules. The functions and settings are self-explanatory schematically illustrated on the front and allow to review the set values also during operation.

A transparent cover over the module setting components provides protection from unintentional settings and additionally links the module to the output relay.

Triggering is performed with the operating voltage. (L1 or +). No potential-free contacts are therefore required. The triggering complies to machine standards. Parallel connection to B1 is admissible.

**The wide UC voltage range** (AC/DC) of the modules give a wide flexibility. It permits the connection to AC or DC supplies and provides a high level of reliability in triggering.

Note: In case of even wider voltage ranges, for example UC 24-240V, triggering currents on B1 are often in the range of 100 µA with simultaneous low threshold voltages of less than 20V. Due to capacitive or inductive pickups this may lead to unintentional triggering or switching errors caused by insufficient load on the control contacts (It is not seldom that 50V or more can be measured in open lines).

The power consumption of a CT module is less than 1W.

**The output relays** show the connection diagram and the technical values on the front side, (exception C3 and C5 relays). A color code indicates an AC coil with red and a DC coil with blue color. Most of the relays have a lockable test button for manual operation

**The standard contacts** have proven its reliability for high switching current applications over many years. The contact material AgNi permits a wide switching range and due to the large dimensioning they are designed for a high number of switching cycles. The high breaking capacity of up to 10A/400V and a low load switching capability of 12V/10mA makes the contact suitable for the use in main circuits as well as for low voltage applications.

**The twin contacts** are switching the voltage circuit with 2 independent contact tongues. The switching safety for low currents is therefore 100 times higher compared to a single contact relay. Despite the high switching capacity of up to 6A/250V, these contacts are very suitable to switch low currents and voltages up to 1mA/6V.

**The solid-state relays** are an alternative to mechanical relays. In the standard version, the relay has a potential-free universal semiconductor output for AC or DC loads. The advantage is a bouncing- and wear- free, overload resistant, short circuit protected output with a practical unlimited life cycle.

Solid-state relays are specially recommended for applications of high switching cycles, for example for repeat cycle timers, flushing lights, but also for high inductive switching loads of solenoid valves, couplings, motors, etc. The solid state relays are also suitable for capacitive loads, for example long power lines, or compensated lighting circuits.

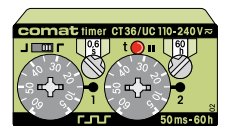
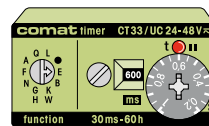
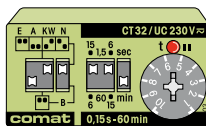
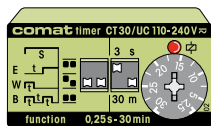
Additional protection circuits of the output or of the load are not necessary in any application for this type of Comat relays.

The solid-state relays are insensitive in any aggressive environment such as chemical plants, sewage plants etc. and are therefore an excellent choice for the employment in such environments.



The train symbol indicates products available in a special railway execution according EN 50155. Please refer to our special railway brochure for details.

**Timer module**  
(without relay and socket)



**CT30**

**Economy timer**  
3 functions, voltage controlled, output LED. Seismic approved.

E W B ①

**0,25s-30 min**  
0,25-3s...2,5-30 min

CT30/UC 110-240V  
CT30/UC 24-48V

**CT32**

**Universal timer**  
7 functions, voltage controlled, time lapse display, blinking. Seismic approved.

E ② ③  
A N K B1 ②  
W B ③

**0,15s-60 min**  
0,15-1,5s...6-60 min ★

CT32/UC 230V  
CT32/UC 115V  
CT32/UC 24-48V

**CT33**

**Universal timer**  
12 functions, voltage controlled, time lapse display, blinking, high setting accuracy by dial graduation 1:5.

E ② ③  
A N L F K G B1 Q ②  
W H B ③  
F Q t2=t1 G H t2=0,5s

**30ms-60h**  
30-150ms...12-60h ★

CT33/UC 230V  
CT33/UC 115V  
CT33/UC 24-48V

**CT36**

**Universal repeat cycle timer**  
Pulse or pause start. t1/t2 separately settable. Time lapse display t1/t2.

I P ①

**2x 50ms-60h**  
2x 50-600ms...5-60h ★

CT36/UC 110-240V  
CT36/UC 24-48V

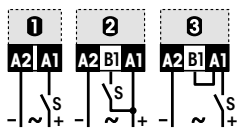
E ① Triggering  
Function see page 8

**Teime range**  
★ TF-60 setting see page 8

**Order Nr.**  
(for module without Relay and socket)

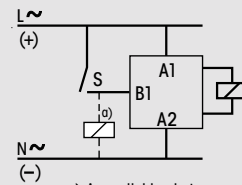
UC AC/DC

**Triggering**



**Note on use**

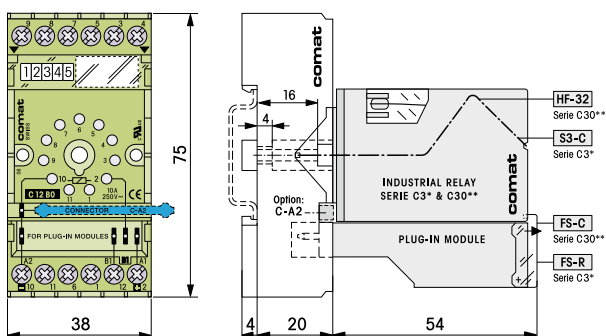
According to the standards «Safety of machines» e.g. EN 60204-1, EN 292-2, triggering with A2-potential (N-) is only admissible in exceptional circumstances. For that reason the comat CT modules are triggered by A1-potential (L+). This makes them unrestrictedly suitable also for use in machines and systems which must conform with machine or CE guidelines or directives.



a) A parallel load at B1 is admissible on all CT30 modules.

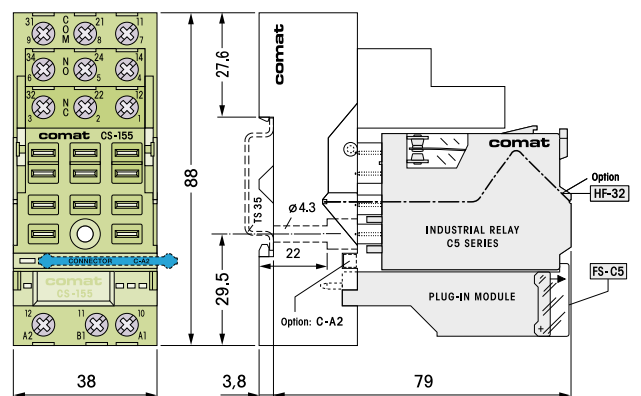
**System socket C1280**

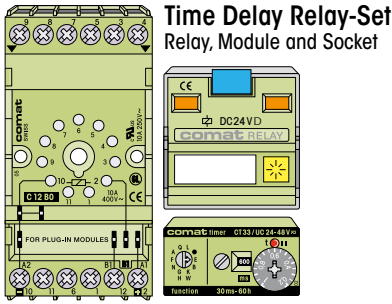
Figure: with plug-in neutral conductor connector C-A2



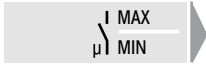
**System socket CS-155**

Figure: with plug-in neutral conductor connector C-A2

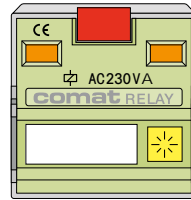
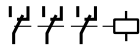




Relay data's see:  
Section industrial Relays



**Power Relay**

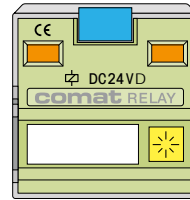
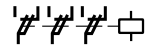


**C3-A30X**

**Universal**  
Power Relay 10A.  
With 3 power changeover-contacts this is the robust relay for AC and DC circuits ranging from 10mA 10V.

**10A 250V~**  
10mA 10V

**Control Relay**

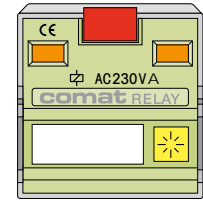
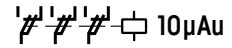


**C3-T31X**

**Relay with 3 twin contacts 6A**  
The control relay with highest switching reliability for control and signal circuits ranging from 5mA 5V.

**6A 250V~**  
5mA 5V

**Signal Relay**



**C3-T32X**

**Relay with 3 twin contacts, 10µ gold flush**  
The twin contact relay with highest switching reliability for signal circuits ranging from 1mA 5V. Recommend. upto 0,2A 30V.

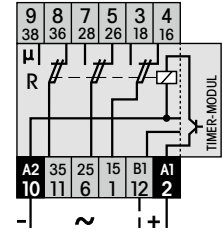
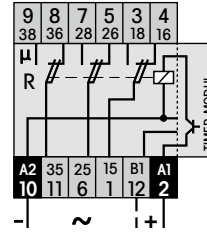
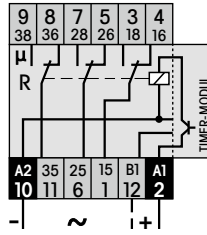
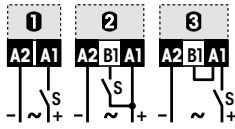
**6A 250V~**  
1mA 5V

**Timer-Modul**

**E 1** Triggering

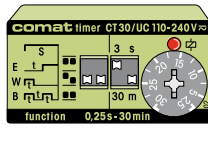
Function see page 8

**L** R2(R3) = Time function as R1  
**L** R2(R3) = Instantaneous contact



**CT30 Economy timer**

3 functions, voltage controlled, output LED. Seismic approved.



Function/Triggering

**E W B 1**

Time range

**0,25s-30min**  
0,25-3s...  
2,5-30min

Set Order-Nr.:

**CT30.3-A30/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-A30X/...  
• Module CT30/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

Set Order-Nr.:

**CT30.3-T31/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-T31X/...  
• Module CT30/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

Set Order-Nr.:

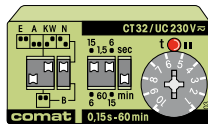
**CT30.3-T32/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-T32X/...  
• Modul CT30/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

**CT32 Universal timer**

7 functions, voltage controlled, time lapse display, blinking. Seismic approved.



Function/Triggering

**E 2 3**  
**A N K B 1 2**  
**W B 3**



Time range

**0,15s-60min** ★  
0,15-1,5s...  
6-60min

Set Order-Nr.:

**CT32.3-A30/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-A30X/...  
• Module CT32/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

Set Order-Nr.:

**CT32.3-T31/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-T31X/...  
• Module CT32/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

Set Order-Nr.:

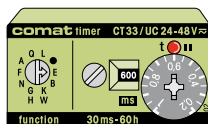
**CT32.3-T32/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-T32X/...  
• Module CT32/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

**CT33 Universal timer**

12 functions, voltage controlled, time lapse display, blinking, high setting accuracy by dial graduation 1:5.



Function/Triggering

**E 2 3** **W H B 3**  
**A N L F K G B 1 Q 2**  
**F Q t2=t1** **G H t2=0,5s**



Time range

**30ms-60h** ★  
30-150ms...  
12-60h

Set Order-Nr.:

**CT33.3-A30/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-A30X/...  
• Module CT33/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

Set Order-Nr.:

**CT33.3-T31/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-T31X/...  
• Module CT33/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

Set Order-Nr.:

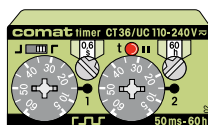
**CT33.3-T32/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-T32X/...  
• Module CT33/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

**CT36 Repeat cycle timer**

Pulse or pause start. t1/t2 separately settable. Time lapse display t1/t2.



Function/Triggering

**I P 1**



Time range

**2x50ms-60h** ★  
2x50-600ms...  
5-60h

Set Order-Nr.:

**CT36.3-A30/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-A30X/...  
• Module CT36/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

Set Order-Nr.:

**CT36.3-T31/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
• Relay C3-T31X/...  
• Module CT36/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

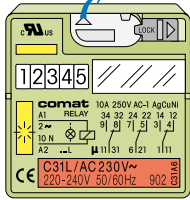
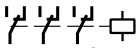
Set Order-Nr.:

**CT36.3-T32/...V**

**AC 24, 48, 115, 230V**  
**DC 24, 48, 110, 220V**

Delivery includes:  
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• Module CT36/...  
• Front cover FS-R  
• Socket C12B0  
• Retaining clip S3-C

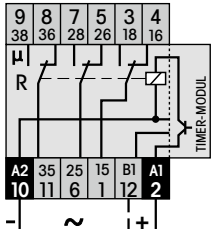
### Power Relay



#### C31L

**Universal Power Relay 10A**  
with 3 power changeover-contacts this is the robust relay for AC and DC circuits ranging from 50mA 10V.

**10A 250V~**  
50mA 10V

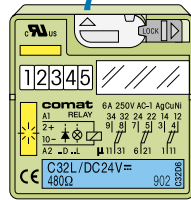
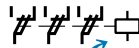


Set Order-Nr.:

**CT30.31/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C31L/...  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

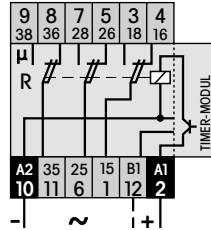
### Control Relay



#### C32L

**Relay with 3 twin contacts 6A**  
The control relay with highest switching reliability for control and signal circuits ranging from 10mA 5V.

**6A 250V~**  
10mA 5V

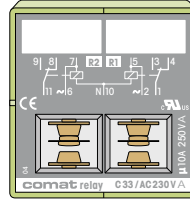
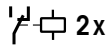


Set Order-Nr.:

**CT30.32/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C32L/...  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

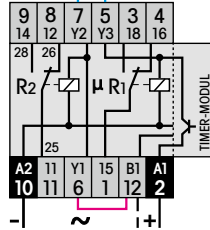
### Power Relay



#### C33

**Double-channel Power Relay 10A**  
With 2x1 power changeover-contacts this is a robust relay for AC and DC circuits ranging from 10mA 12V.

**10A 250V~**  
10mA 12V

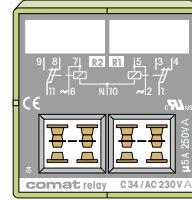
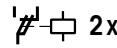


Set Order-Nr.:

**CT30.33/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C33/...  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

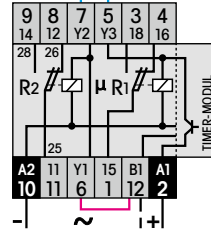
### Control Relay



#### C34

**Double-channel Control Relay 5A**  
With 2x1 changeover-contact. The control relay with increased switching reliability for control and signal circuits from 1mA 6V.

**5A 250V~**  
1mA 6V

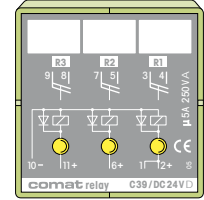
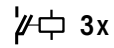


Set Order-Nr.:

**CT30.34/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C34/...  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

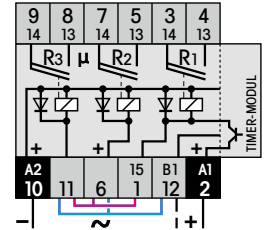
### Power- and Signal Relay



#### C39

**Triple-channel Twin Contact Relay 5A**  
With 3x1 NO contact. Ideal for interface applications ranging from 1mA 100mV. LED display for each channel.

**5A 250V~**  
1mA 100mV



Set Order-Nr.:

**CT30.39/...V**  
AC 24, 48, 115, 230V  
DC 24, 48V

Delivery includes:  
• Relay C39/...  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT32.31/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C31L/...  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT32.32/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C32L/...  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT32.33/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C33/...  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT32.34/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C34/...  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT32.39/...V**  
AC 24, 48, 115, 230V  
DC 24, 48V

Delivery includes:  
• Relay C39/...  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT33.31/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C31L/...  
• Module CT33/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT33.32/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C32L/...  
• Module CT33/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT33.33/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C33/...  
• Module CT33/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT33.34/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C34/...  
• Module CT33/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT33.39/...V**  
AC 24, 48, 115, 230V  
DC 24, 48V

Delivery includes:  
• Relay C39/...  
• Module CT33/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT36.31/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C31L/...  
• Modul CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT36.32/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110, 220V

Delivery includes:  
• Relay C32L/...  
• Modul CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT36.33/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C33/...  
• Modul CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

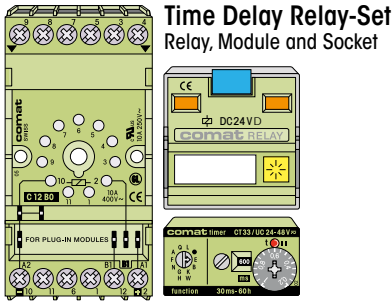
**CT36.34/...V**  
AC 24, 48, 115, 230V  
DC 24, 48, 110V

Delivery includes:  
• Relay C34/...  
• Modul CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

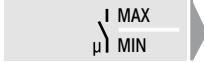
Set Order-Nr.:

**CT36.39/...V**  
AC 24, 48, 115, 230V  
DC 24, 48V

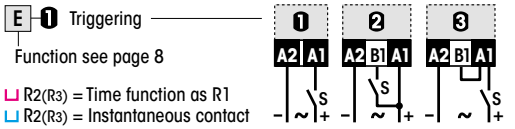
Delivery includes:  
• Relay C39/...  
• Modul CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32



Relay data's see:  
Section industrial Relays

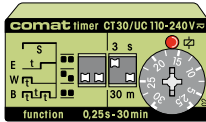


### Timer-Modul



### CT30 Economy timer

3 functions, voltage controlled, output LED. Seismic approved.

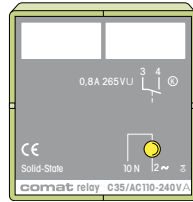


Function/Triggering



Time range  
**0,25s-30min**  
0,25-3s...  
2,5-30min

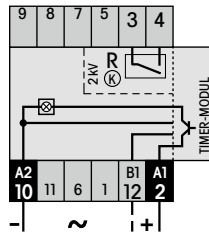
### UC Solid-State Relay



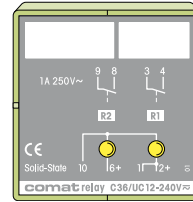
### C35

**Universal Solid-State Relay for AC or DC load**  
Highest switching frequency for virtually limitless life cycle due to solid-state operation. No external protective wiring required.

**0,8A 10...265V~**  
1mA 10V



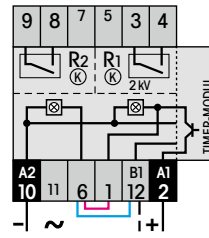
### AC Solid-State Relay



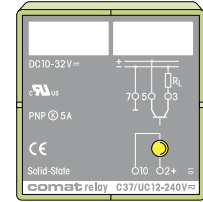
### C36

**AC SS double-channel**  
Triac output, crossover switch. Built-in RC wiring protection. Specially designed for frequent switching cycles and inductive loads. Minimum load: 30mA

**0,8A 20...265V~**  
30mA 20V



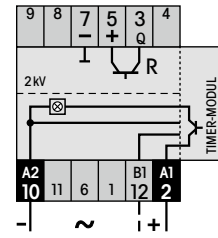
### DC Solid-State Relay



### C37

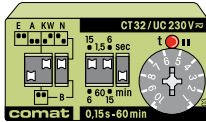
**DC SS single-channel**  
Bounce- and wearing- free for DC loads (inductive/capacitive). Short-circuit/overload proof. No external wiring protection required.

**5A 10...32V=**  
1mA 10V

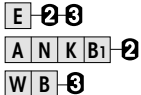


### CT32 Universal timer

7 functions, voltage controlled, time lapse display, blinking. Seismic approved.



Function/Triggering



Time range  
**0,15s-60min** ★  
0,15-1,5s...  
6-60min

Set Order-Nr.:

**CT30.35/...V**  
AC 110-240V  
UC 24-48V

Delivery includes:  
• Relay C35/...  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT30.36/...V**  
UC 110-240V  
UC 24-48V

Delivery includes:  
• Relay C36/UC12-240V  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

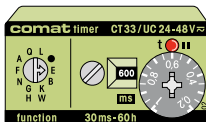
Set Order-Nr.:

**CT30.37/...V**  
UC 110-240V  
UC 24-48V

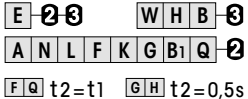
Delivery includes:  
• Relay C37/UC12-240V  
• Module CT30/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

### CT33 Universal timer

12 functions, voltage controlled, time lapse display, blinking, high setting accuracy by dial graduation 1:5.



Function/Triggering



Time range  
**30ms-60h** ★  
30-150ms...  
12-60h

Set Order-Nr.:

**CT32.35/...V**  
AC 115, 230V  
UC 24-48V

Delivery includes:  
• Relay C35/...  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT32.36/...V**  
UC 115, 230V  
UC 24-48V

Delivery includes:  
• Relay C36/UC12-240V  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

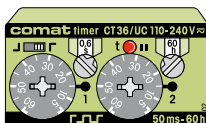
Set Order-Nr.:

**CT32.37/...V**  
UC 115, 230V  
UC 24-48V

Delivery includes:  
• Relay C37/UC12-240V  
• Module CT32/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

### CT36 Repeat cycle timer

Pulse or pause start. t1/t2 separately settable. Time lapse display t1/t2.



Function/Triggering



Time range  
**2x50ms-60h** ★  
2x50-600ms...  
5-60h

Set Order-Nr.:

**CT36.35/...V**  
AC 110-240V  
UC 24-48V

Delivery includes:  
• Relay C35/...  
• Module CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

Set Order-Nr.:

**CT36.36/...V**  
UC 110-240V  
UC 24-48V

Delivery includes:  
• Relay C36/UC12-240V  
• Module CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

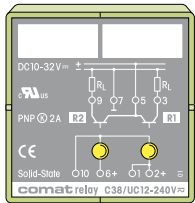
Set Order-Nr.:

**CT36.37/...V**  
UC 110-240V  
UC 24-48V

Delivery includes:  
• Relay C37/UC12-240V  
• Module CT36/...  
• Front cover FS-C  
• Socket C12B0  
• Retaining clip HF-32

## DC Solid-State Relay

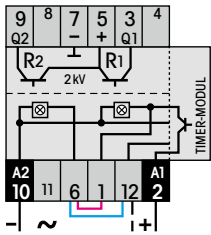
2x



### C38

**DC SS Relay double-channel**  
Bounce- and wearing- free for DC loads (inductive/capacitive). Short-circuit/overload proof. No external wiring protection required. 2A constant current per channel.

**2A 10...32V=**  
1mA 10V



Set Order-Nr.:

**CT30.38/...V**

UC 110-240V

UC 24-48V

Delivery includes:

- Relay C38/...
- Module CT30/...
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

Set Order-Nr.:

**CT32.38/...V**

UC 115, 230V

UC 24-48V

Delivery includes:

- Relay C38/...
- Module CT32/...
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

Set Order-Nr.:

**CT33.38/...V**

UC 115, 230V

UC 24-48V

Delivery includes:

- Relay C38/...
- Module CT33/...
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

Set Order-Nr.:

**CT36.38/...V**

UC 110-240V

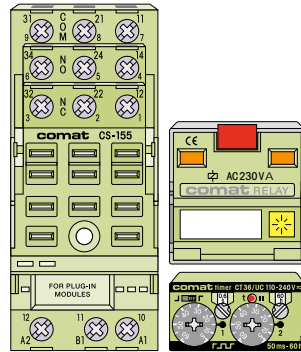
UC 24-48V

Delivery includes:

- Relay C38/...
- Modul eCT36/...
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

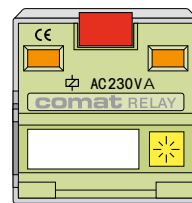
**comat**  
CT-System

## Time Delay Relay-Set Relay, Module and Socket



## High Power Relay DC

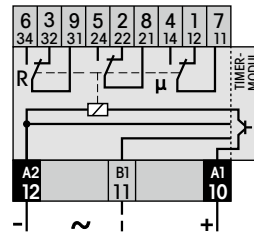
16A 400V~



### C5-A30X

**Universal Power Relay 16A**  
With 3 power changeover-contacts this is the robust relay for AC and DC circuits ranging from 10mA 10V.

**16A 400V~**  
10mA 10V



Set Order-Nr.:

**CT30.5-A30/...V**

AC 24, 115, 230V

DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...
- Module CT30/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32

Set Order-Nr.:

**CT32.5-A30/...V**

AC 24, 115, 230V

DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...
- Module CT32/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32

Set Order-Nr.:

**CT33.5-A30/...V**

AC 24, 115, 230V

DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...
- Module CT33/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32

Set Order-Nr.:

**CT36.5-A30/...V**

AC 24, 115, 230V

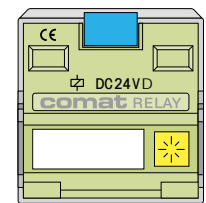
DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...
- Modul eCT36/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32

## High Power Relay DC

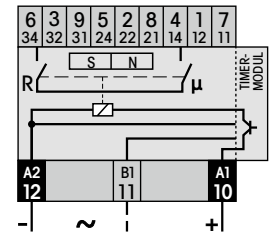
10A @ 220V=



### C5-M10X

**Highpower Relay, in particular for DC loads up to 10A 220V= (DC1)**  
With 2 NO contacts in series and a blow magnet for safe arc extinguishing.

**16A 400V~**  
10mA 10V



Set Order-Nr.:

**CT30.5-M10/...V**

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...
- Module CT30/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32

Set Order-Nr.:

**CT32.5-M10/...V**

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...
- Module CT32/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32

Set Order-Nr.:

**CT33.5-M10/...V**

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...
- Module CT33/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32

Set Order-Nr.:

**CT36.5-M10/...V**

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...
- Modul eCT36/...
- Front cover FS-C5
- Socket CS-155
- Retaining clip HF-32



**Kühn Controls AG**

**Notes:**

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