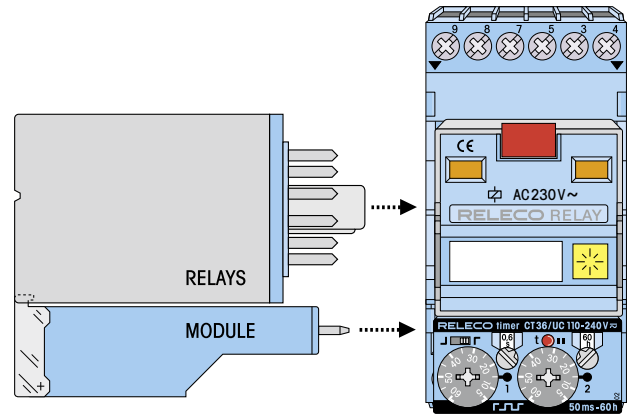


The modular Comat timer CT System

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 from socket to socket. It reduces wiring work considerably.

Robust terminals for wires up to 4 mm² 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 100µA 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 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 load 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.



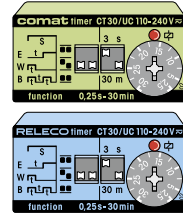
The train symbol indicates products available in a special railway execution according to EN 50155. Please refer to our special railway brochure for details.

CT30, CT32, CT33, CT36

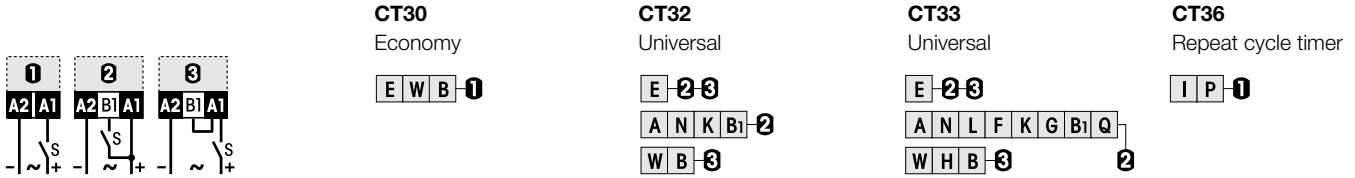
Plug-in time modules (combined with industrial relays)

Type Blue: CT30, CT32, CT33, CT36, /...V R
Green: CT30, CT32, CT33, CT36, /...V

Plug-in time modules for sockets with module slot in combination with plug-in relays.
Power supply and control voltages 24 ... 240 V. Time ranges 30 ms up to 60 h.
LED output state indicator.



Time functions and related connection diagrams (Function diagrams: refer to page 130)



Time data	CT 30	CT 32	CT33	CT36
Type	Economy	Universal	Universal	Repeat cycle timer
Partial time ranges, t_{max}	3, 30 /s /min	1.5, 6, 15, 60 /s /min	150, 600 ms	2 x 600 ms
Min. time t_{min}	0.25 s	0.15 s	1.5, 6, 15, 60 /s /min /h	2 x 6, 60 /s /min /h
Fine adj. range $t_{min} \dots t_{max}$	2.5 ... 30	1 ... 10	30 ms	2 x 50 ms
Time range tolerance t_{min}	-25 ... 0 %	-25 ... 0 %	0.2 ... 1	2 x 5 ... 60
t_{max}	0 ... 35 %	0 ... 25 %	-25 ... 0 %	-25 ... 0 %
Repetition accuracy	± 0.2 % or 20 ms	± 0.2 % or 20 ms	0 ... 25 %	0 ... 25 %
Temperature drift of time	0.25 % / K	± 0.1 % / K	± 0.2 % or 20 ms	± 0.2 % or 20 ms
Min. trigger pulse width B1	-	≥ 30 ms	0.1 % / K	0.1 % / K
Reset time pow. supply	≤ 200 ms	≥ 30 ms	-	-
Voltage failure buffering	≥ 20 ms	≤ 150 ms	≥ 150 ms	≤ 150 ms
		≥ 20 ms	≥ 20 ms	≥ 20 ms

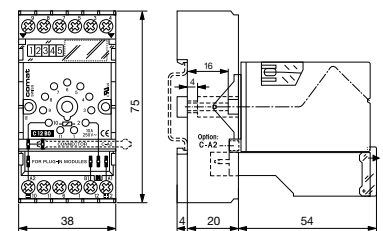
Output data	UC 24 – 48 V	110 – 240, 115, 230 V
Nominal voltage	UC 24 – 48 V	110 – 240, 115, 230 V
Type	Solid state	Solid state
Rated operational current	150 mA	50 mA
On-state resistance	$\leq 25 \Omega$	$\leq 100 \Omega$
Leakage current	$\leq 150 \mu A$	$\leq 150 \mu A$

Power supply and control input (UC = AC / DC)	CT 30	CT 30	CT36	CT36
Type	CT 30	CT 30	CT36	CT36
Nominal voltage	UC 24 – 48 V	UC 110 – 240 V	UC 24 – 48 V	UC 110 – 240 V
Operating voltage range	19 ... 75 V	90 ... 265 V	19...60 V	82 ... 265 V
Supply current	3 ... 5 mA	2 ... 4 mA	6 ... 12 mA	4 ... 8 mA
Type	CT32, CT33	CT32, CT33	CT32, CT33	
Nominal voltage	UC 24 – 48 V	UC 115 V	UC 230 V	
Operating voltage range	19 ... 60 V	90 ... 150 V	180 ... 265 V	
Input B1 inactive	≤ 9 V	≤ 60 V	≤ 100 V	
Supply current	5 ... 11 mA	4 ... 7 mA	1 ... 4 mA	

General Specification	
Ambient temperature storage /operation	-40 ... 85 °C / -40 ... 60 °C
Ingress Protection degree	IP 40 when plugged in
Housing material	Lexan
Weight	25 g

Standard types	Blue	Green
CT30, CT32, CT33, CT36, UC24-48	CT3x/UC24-48V R	CT3x/UC24-48V
CT30, CT36, UC110-240	CT3x/UC110-240V R	CT3x/UC110-240V
CT32, CT33, UC115	CT3x/UC115V R	CT3x/UC115V
CT32, CT33, UC230	CT3x/UC230V R	CT3x/UC230V

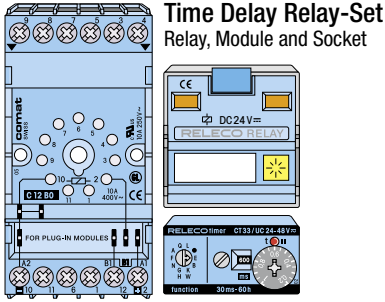
Dimensions [mm]



Technical approvals, conformities

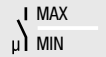


Remark: This module is part of several ready for connection units consisting of socket, relay and module. A wide range of suitable relays are available.

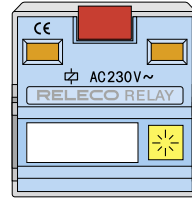
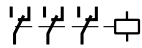


Time Delay Relay-Set
Relay, Module and Socket

Relay data's see:
Section Industrial Relays



Power Relay

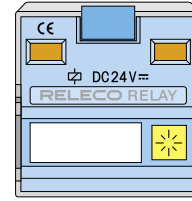
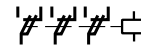


C3-A30X

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

10A~
10mA 10V

Control Relay

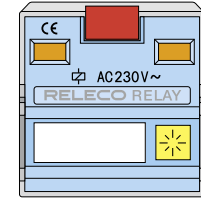
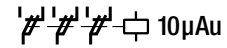


C3-T31X

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

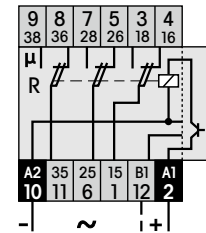
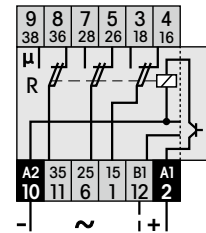
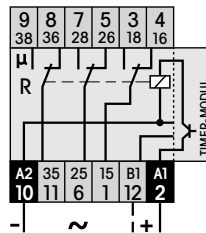
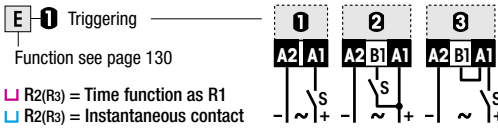


C3-T32X

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

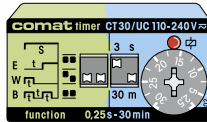
6A 250V~
1mA 5V

Timer-Modul (Function diagrams: refer to page 130)



CT30 Economy timer

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



Function / Triggering



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

Set Order-Nr.:

CT30.3-A30/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

Set Order-Nr.:

CT30.3-T31/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

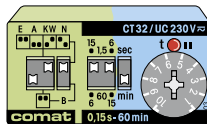
Set Order-Nr.:

CT30.3-T32/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

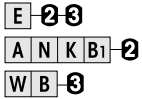
Delivery includes:
• Relay C3-T32X/...V
• Modul CT30/...V R
• Front cover FS-R
• Socket C12B0 R
• Retaining clip S3-C

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.:

CT32.3-A30/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

Set Order-Nr.:

CT32.3-T31/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

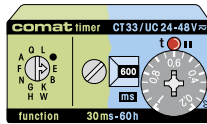
Set Order-Nr.:

CT32.3-T32/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

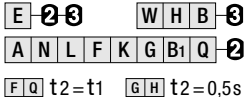
Delivery includes:
• Relay C3-T32X/...V
• Module CT32/...V R
• Front cover FS-R
• Socket C12B0 R
• Retaining clip S3-C

CT33 Universal timer

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



Function / Triggering



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

Set Order-Nr.:

CT33.3-A30/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

Set Order-Nr.:

CT33.3-T31/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

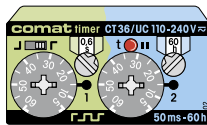
Set Order-Nr.:

CT33.3-T32/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

CT36 Repeat cycle timer

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



Function / Triggering



Time range
2x 50ms - 60h
2x 50 - 600ms...
5 - 60h

Set Order-Nr.:

CT36.3-A30/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

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

Set Order-Nr.:

CT36.3-T31/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

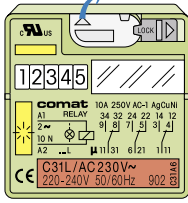
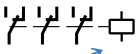
Delivery includes:
• Relay C3-T31X/...V
• Module CT36/...V R
• Front cover FS-R
• Socket C12B0 R
• Retaining clip S3-C

Set Order-Nr.:

CT36.3-T32/...V R
AC 24, 48, 115, 230V
DC 24, 48, 110, 220V

Delivery includes:
• Relay C3-T32X/...V
• Module CT36/...V R
• Front cover FS-R
• Socket C12B0 R
• Retaining clip S3-C

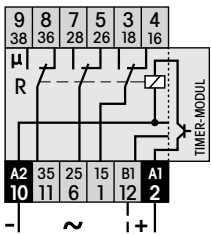
Power Relay



C31L

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

10 A 250V~
50mA 10V



Set Order-Nr.:

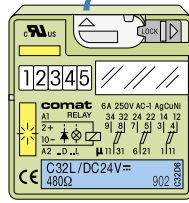
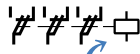
CT30.31/...V

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

Delivery includes:

- Relay C31L/...V
- Module CT30/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

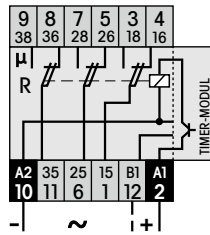
Control Relay



C32L

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

6 A 250V~
10mA 5V



Set Order-Nr.:

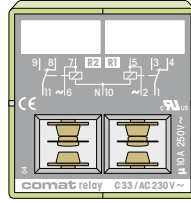
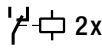
CT30.32/...V

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

Delivery includes:

- Relay C32L/...V
- Module CT30/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

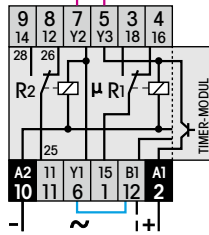
Power Relay



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.

10 A 250V~
10mA 12V



Set Order-Nr.:

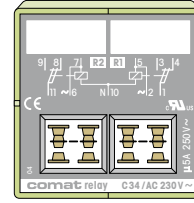
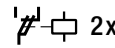
CT30.33/...V

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

Delivery includes:

- Relay C33/...V
- Module CT30/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

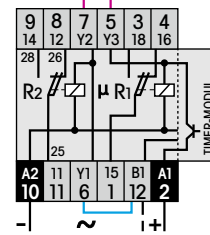
Control Relay



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.

5 A 250V~
1mA 6V



Set Order-Nr.:

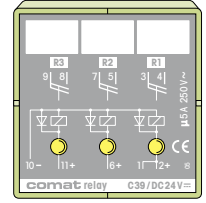
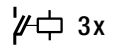
CT30.34/...V

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

Delivery includes:

- Relay C34/...V
- Module CT30/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

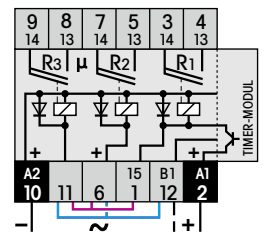
Power- and Signal Relay



C39

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

5 A 250V~
1mA 100mV



Set Order-Nr.:

CT30.39/...V

AC 24, 48, 115, 230V
DC 24, 48V

Delivery includes:

- Relay C39/...V
- Module CT30/...V
- 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/...V
- Module CT32/...V
- 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/...V
- Module CT32/...V
- 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/...V
- Module CT32/...V
- 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/...V
- Module CT32/...V
- 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/...V
- Module CT32/...V
- 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/...V
- Module CT33/...V
- 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/...V
- Module CT33/...V
- 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/...V
- Module CT33/...V
- 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/...V
- Module CT33/...V
- 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/...V
- Module CT33/...V
- 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/...V
- Modul CT36/...V
- 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/...V
- Modul CT36/...V
- 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/...V
- Modul CT36/...V
- 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/...V
- Modul CT36/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

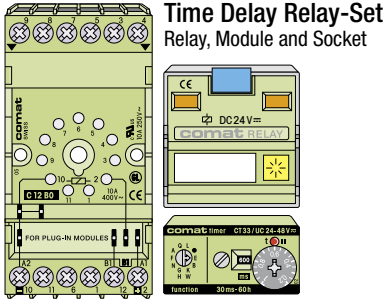
Set Order-Nr.:

CT36.39/...V

AC 24, 48, 115, 230V
DC 24, 48V

Delivery includes:

- Relay C39/...V
- Modul CT36/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

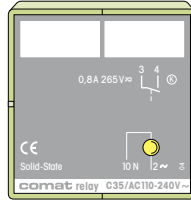


Time Delay Relay-Set
Relay, Module and Socket

Relay data's see:
Section Industrial Relays



UC Solid-State Relay

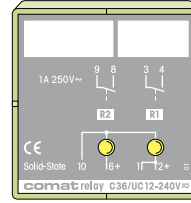


C35

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

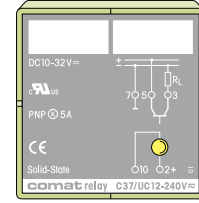


C36

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

1A 20...265V~
30mA 20V

DC Solid-State Relay

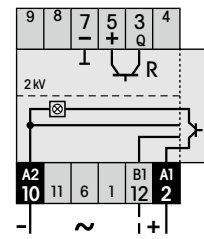
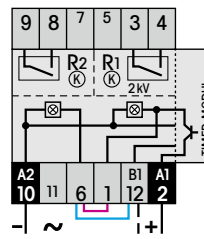
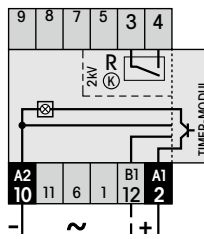
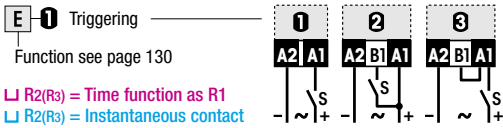


C37

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

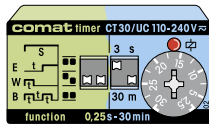
5A 10...32V=
1mA 10V

Timer-Modul (Function diagrams: refer to page 130)



CT30 Economy timer

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



Function / Triggering



Time range

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

Set Order-Nr.:

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

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

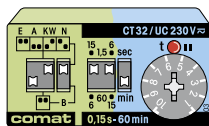
Set Order-Nr.:

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

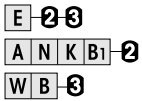
Delivery includes:
• Relay C37/UC12-240V
• Module CT30/...V
• Front cover FS-C
• Socket C12B0
• Retaining clip HF-32

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.:

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

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

Set Order-Nr.:

CT32.36/...V
UC 110-240V
UC 24-48V

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

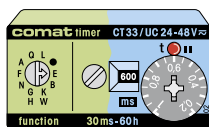
Set Order-Nr.:

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

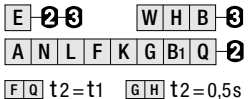
Delivery includes:
• Relay C37/UC12-240V
• Module CT32/...V
• Front cover FS-C
• Socket C12B0
• Retaining clip HF-32

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.:

CT33.35/...V
AC 115, 230V
DC 24-48V

Delivery includes:
• Relay C35/...V
• Module CT33/...V
• Front cover FS-C
• Socket C12B0
• Retaining clip HF-32

Set Order-Nr.:

CT33.36/...V
UC 110-240V
UC 24-48V

Delivery includes:
• Relay C36/UC12-240V
• Module CT33/...V
• Front cover FS-C
• Socket C12B0
• Retaining clip HF-32

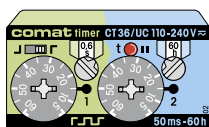
Set Order-Nr.:

CT33.37/...V
UC 115, 230V
UC 24-48V

Delivery includes:
• Relay C37/UC12-240V
• Module CT33/...V
• 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

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

Delivery includes:

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

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

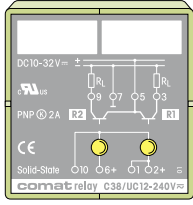
Delivery includes:

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

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

DC Solid-State Relay

2x

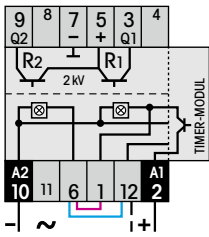


C38

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/UC12-240V
- Module CT30/...V
- 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/UC12-240V
- Module CT32/...V
- 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/UC12-240V
- Modul eCT33/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

Set Order-Nr.:

CT36.38/...V

UC 110-240V

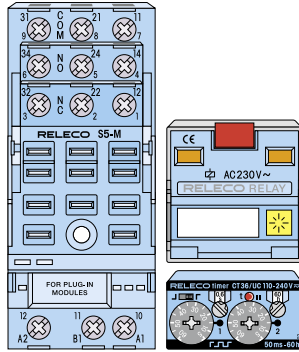
UC 24-48V

Delivery includes:

- Relay C38/UC12-240V
- Modul eCT36/...V
- Front cover FS-C
- Socket C12B0
- Retaining clip HF-32

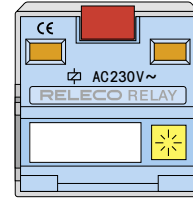


Time Delay Relay-Set Relay, Module and Socket



High Power Relay DC

16A 400V~

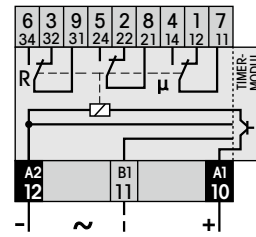


C5-A30X

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 R

AC 24, 115, 230V

DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...V
- Module CT30/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C

Set Order-Nr.:

CT32.5-A30/...V R

AC 24, 115, 230V

DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...V
- Module CT32/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C

Set Order-Nr.:

CT33.5-A30/...V R

AC 24, 115, 230V

DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...V
- Module CT33/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C

Set Order-Nr.:

CT36.5-A30/...V R

AC 24, 115, 230V

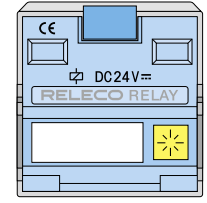
DC 24, 110, 220V

Delivery includes:

- Relay C5-A30X/...V
- Module CT36/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C

High Power Relay DC

10A @ 220V=

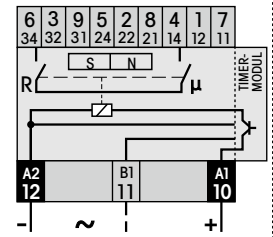


C5-M10X

Highpower Relay, in particular for DC loads upto 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 R

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...V
- Module CT30/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C

Set Order-Nr.:

CT32.5-M10/...V R

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...V
- Module CT32/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C

Set Order-Nr.:

CT33.5-M10/...V R

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...V
- Module CT33/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C

Set Order-Nr.:

CT36.5-M10/...V R

AC 24, 230V

DC 24, 48, 110, 220V

Delivery includes:

- Relay C5-M10X/...V
- Modul eCT36/...V R
- Front cover FS-C5
- Socket S-5M
- Retaining clip S3-C