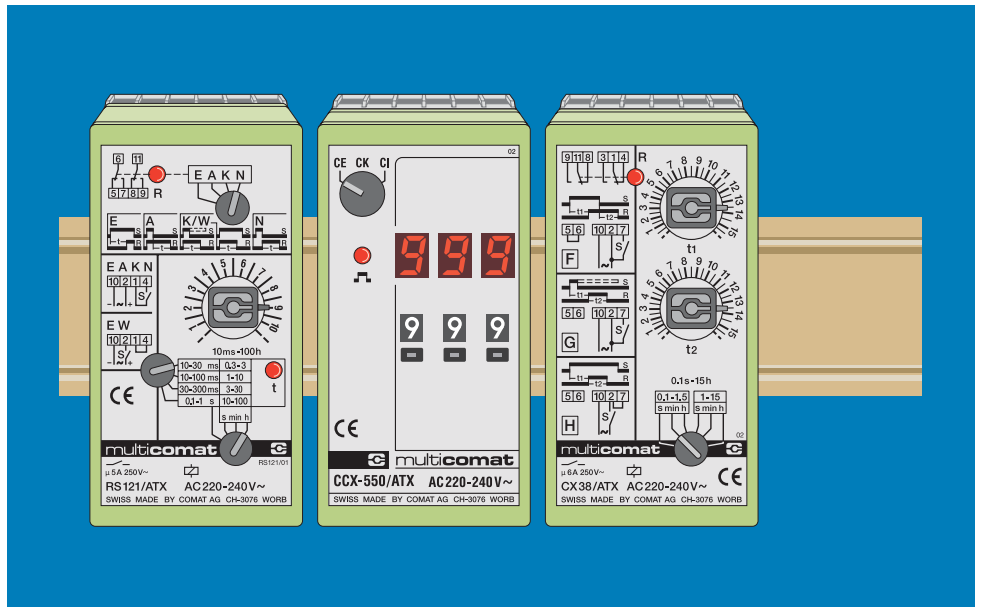


*Time Delay Relays*

# Plug-in Time Delay Relays

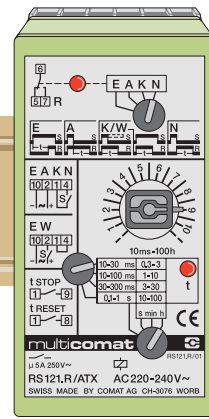
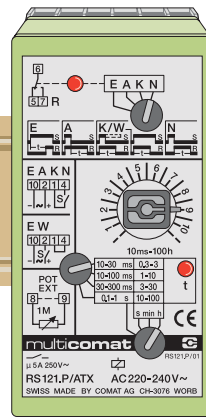
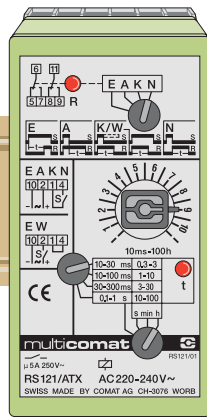
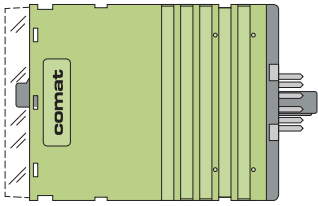
**multicomat**



- RS Series
- C Series
- CX Series



# Plug-in Time Delay Relays multicomat



### Time Delay Relays

Field proven since many years.  
The plug-in timer series from comat for highest quality requirements and unattained versatile operation.

### RS 121

#### Multifunctional Time Delay Relay

- 5 functions
- 2 change-over contacts
- potential-free triggering or sensor PNP/NPN

### RS 121.P

#### Multifunctional Time Delay Relay

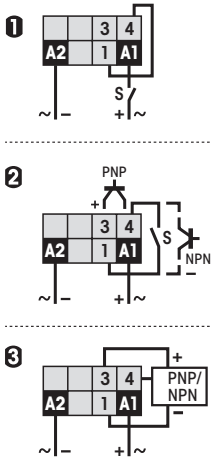
- 5 functions
- 2 change-over contacts
- potential-free triggering or sensor PNP/NPN
- with connection for remote potentiometer

### RS 121.R

#### Multifunctional Time delay Relay

- 5 functions
- with t-stop and t-Reset function
- 1 change-over contact
- potential-free triggering or sensor PNP/NPN

### Triggering



### E-0 Triggering

Function (page \*)

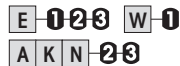
Time range  
Partial range

μ<sup>1</sup> MAX

Diagram  
Connection  
with socket C11A

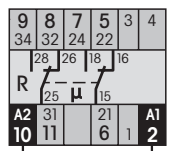
~ AC 50/60Hz	AC220-240V	ATX
	AC110-120V	ANP
~ UC AC/DC	UC24-48V	UFK
	UC12V	UCB
DC	DC110-240V	DNX

Ordering no. →



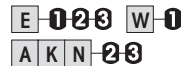
10ms-100h  
ms; s; min; h

5 A 250V~



AC220-240V	ATX
AC110-120V	ANP
UC24-48V	UFK
UC12V	UCB
DC110-240V	DNX

RS 121/ ...



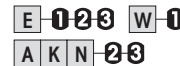
10ms-100h  
ms; s; min; h

5 A 250V~



AC220-240V	ATX
AC110-120V	ANP
UC24-48V	UFK

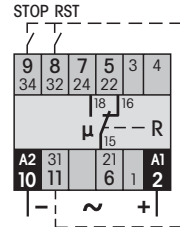
RS 121.P/ ...



t-STOP  
t-RESET

10ms-100h  
ms; s; min; h

5 A 250V~



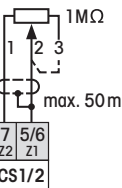
AC220-240V	ATX
AC110-120V	ANP
UC24-48V	UFK

RS 121.R/ ...

### EXT POT

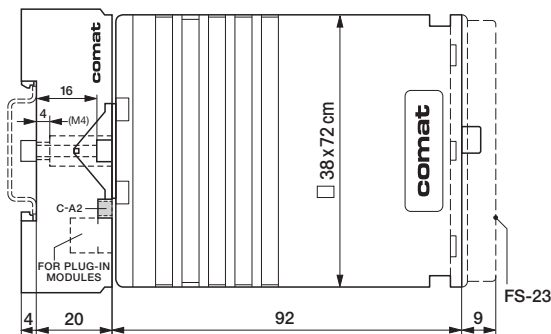
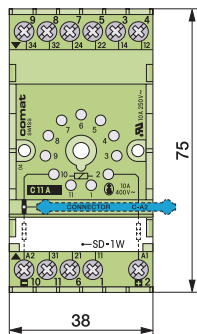


Built-in potentiometer  
SP-01/1M  
(page \*)



### System socket C11A

Figure: with plug-in neutral conductor connector C-A2 (standard delivery).

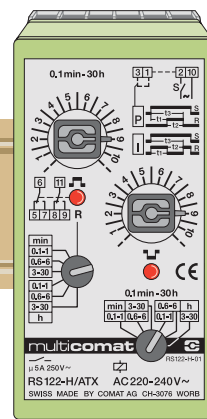
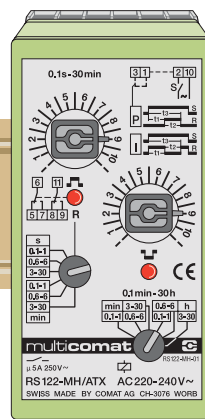
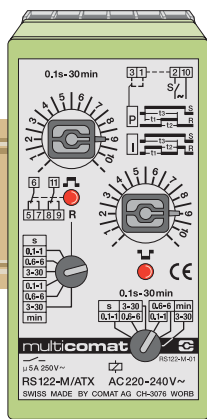
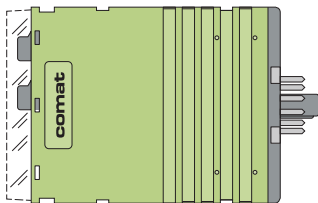


### Ordering example

Timer RS 121/ATX  
Socket C11A



# Repeat Cycle Timer multicomat



### Cycle Timer

Field proven since many years.  
The plug-in timer series from comat for highest quality requirements and unattained versatile operation.

### RS 122-M

#### Universal Cycle Timer

- pulse or interval start
- Time range 0,1s-30min
- 2 change-over contacts

### RS 122-MH

#### Universal Cycle Timer

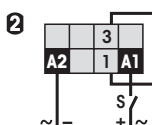
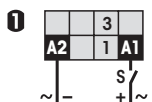
- pulse or interval start
- Time range: pulse 0,1s-30min  
interval 0,1min-30h
- 2 change-over contacts

### RS 122-H

#### Universal Cycle Timer

- pulse or interval start
- Time range 0,1min-30h
- 2 change-over contacts

### Triggering



### E-0 Triggering

Function (page \*)

### Time range

### I-0

### P-0

t I: 0,1s-30min  
t P: 0,1s-30min

### I-0

### P-0

t I: 0,1s-30min  
t P: 0,1min-30h

### I-0

### P-0

t I: 0,1min-30h  
t P: 0,1min-30h

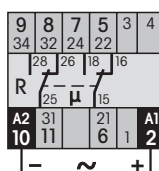
μ MAX

5 A 250V~

5 A 250V~

5 A 250V~

### Diagram Connection with socket C11A



~ AC 50/60Hz

AC220-240V ATX

AC110-120V ANP

~ UC AC/DC

UC24-48V UFK

UC12V UCB

== DC <math>\pm 10\%</math>

DC110-240V DNX

AC220-240V ATX

AC110-120V ANP

UC24-48V UFK

UC12V UCB

DC110-240V DNX

AC220-240V ATX

AC110-120V ANP

UC24-48V UFK

UC12V UCB

DC110-240V DNX

Ordering no. →

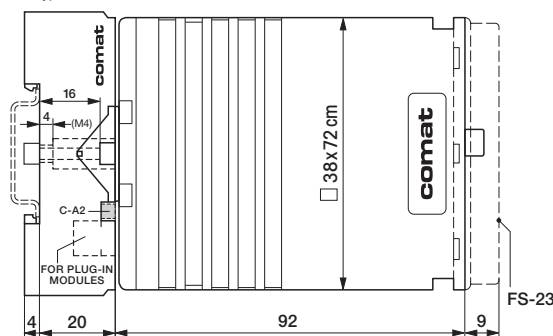
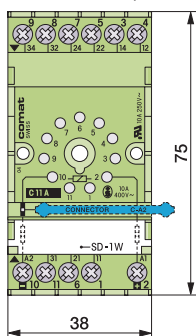
RS 122-M/ ...

RS 122-MH/ ...

RS 122-H/ ...

### System socket C11A

Figure: with plug-in neutral conductor connector C-A2 (standard delivery).

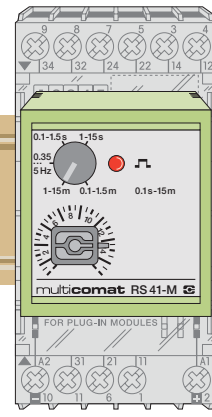
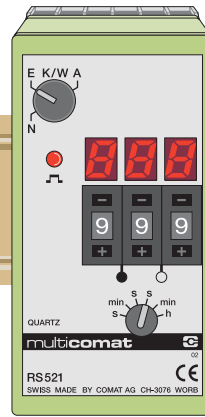
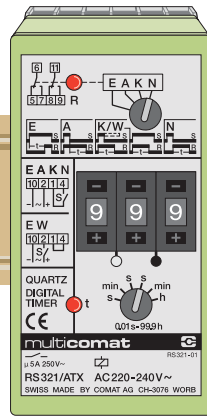
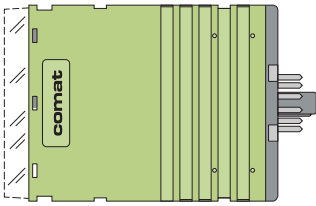


### Ordering example

Timer RS 122-M/ATX  
Socket C11A



Plug-in Time Delay Relay multicomat



Time Delay Relay

11-pole plug-in time relay for highest requirement in regard to quality and performance. Application-oriented, universal employment, operator friendly.

RS 321

Digital Multifunction Time Delay Relay

- 5 functions
- 2 change-over contacts
- potential-free triggering

RS 521

Digital Multifunction Time Delay Relay

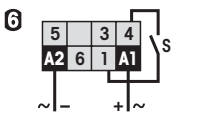
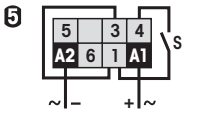
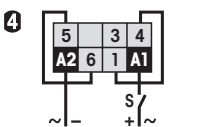
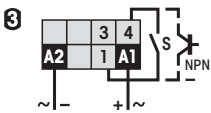
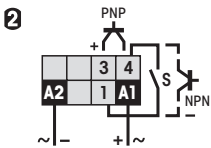
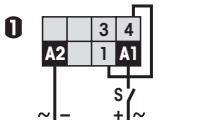
- digital time elapse display
- time stop function
- 2 change-over contacts
- potential-free triggering

RS 41-M

Economy Multifunction Time Delay Relay

- 5 functions
- 1 change-over contact
- potential-free triggering
- with front cover

Triggering



E 0 W 0  
A K N 0  
Function (page \*)

Time range  
Partial range

μ MAX

Diagram  
Connection  
with socket C11A

~ AC 50/60Hz

~ UC AC/DC

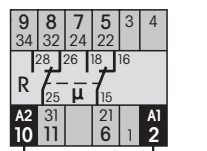
DC 10%

Ordering no. →

E 03 W 0  
A K N 0

0,01s-99,9h  
s; min; h

5 A 250V~



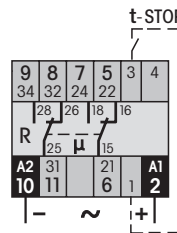
- AC220-240V ATX
- AC110-120V ANP
- UC24-48V UFK
- UC12V UCB
- DC110-240V DNX

RS 321/ ...

E 03 W 0  
A K N 0

0,01s-99,9h  
s; min; h

5 A 250V~



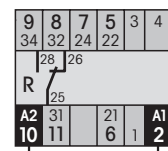
- AC110-240V ANX
- UC24-48V UFK
- DC110-240V DNX

RS 521/ ...

E 0 W B 0  
A 0 K 0

0,1s-15min  
s; min

6 A 250V~



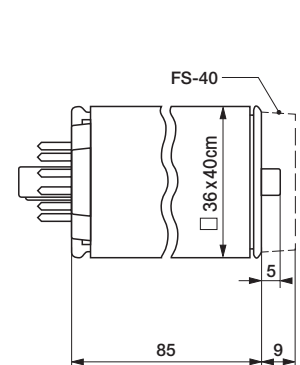
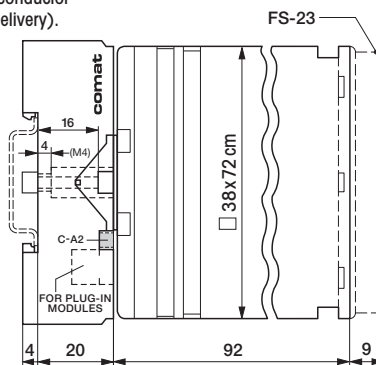
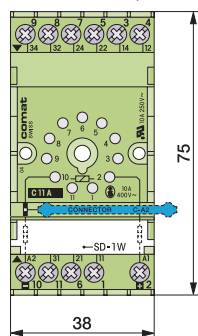
- AC220-240V ATX
- AC110-120V ANP
- UC24-48V UFK

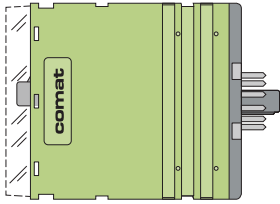
RS 41-M/ ...

Ordering example

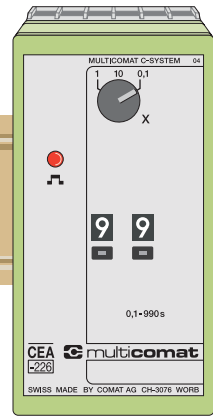
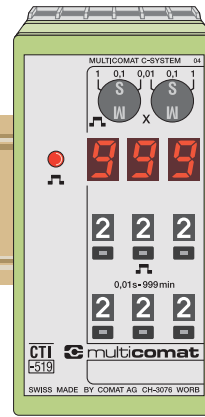
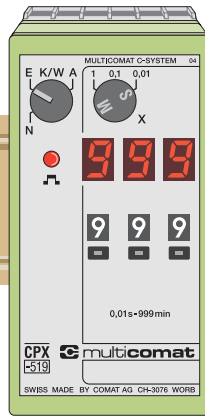
Timer RS 321/ATX  
Socket C11A

System socket C11A  
Figure: with plug-in neutral conductor  
connector C-A2 (standard delivery).





# Plug-in Time Delay Relay multicomat



## Time Delay Relay

Field proven since many years. The plug-in timer series from comat for highest quality requirements and unattained versatile operation.

### CPX-519

- Digital Multifunctional Time Delay Relay**
- with digital time elapsed display
  - 5 functions
  - 2 change-over contacts
  - potential-free triggering

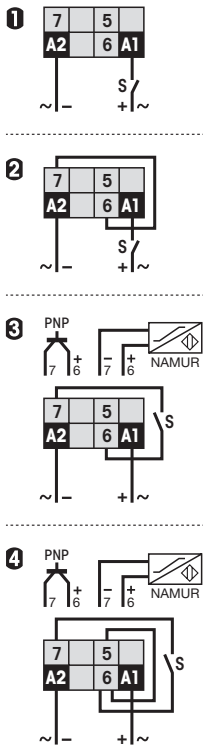
### CTI-519

- Digital Cycle Timer**
- Rest interval can be set separately
  - digital time elapsed display
  - 2 change-over contacts
  - potential-free triggering

### CEA-226

- Time Delay Relay**
- 2 change-over contacts
  - potential-free triggering

## Triggering



**E-1** Triggering  
Function (page \*)

**Time range**  
Partial range

**μ MAX**

**Diagram**  
Connection with socket C11A

**~ AC 50/60Hz**

**~ UC AC/DC**

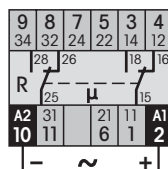
**≡ DC <math>\leq 10\%</math>**

**Ordering no.** →

**E-23 W-2**  
**A-K-N-3**

**0,01s-999 min**  
s; min

**6 A 250V~**



**AC110-240V ANX**

**UC24-48V UFK**

**UC12V UCB**

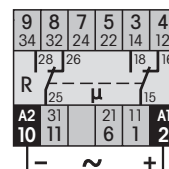
**DC110-240V DNX**

**CPX-519/ ...**

**I-23**

**2x 0,01s-999 min**  
s; min

**6 A 250V~**



**AC110-240V ANX**

**UC24-48V UFK**

**UC12V UCB**

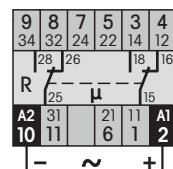
**DC110-240V DNX**

**CTI-519/ ...**

**E-23**  
**A-4**

**0,1s-990 s**

**6 A 250V~**



**AC220-240V ATX**

**AC110-120V ANP**

**UC24-48V UFK**

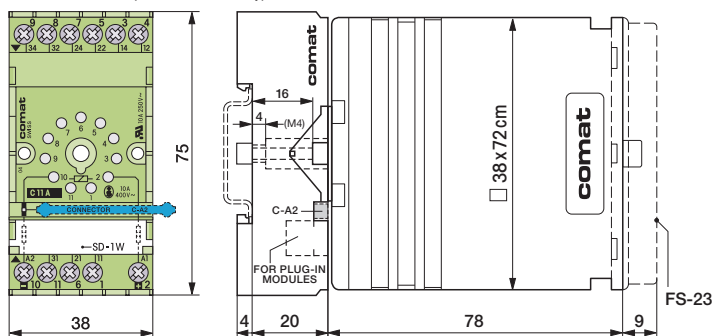
**UC12V UCB**

**DC110-240V DNX**

**CEA-226 / ...**

## System socket C11A

Figure: with plug-in neutral conductor connector C-A2 (standard delivery).

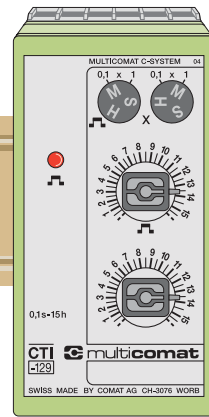
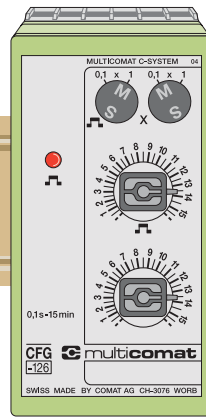
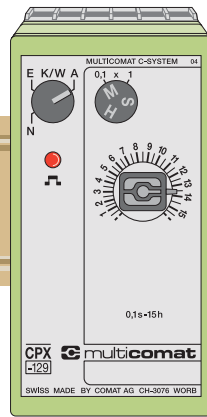
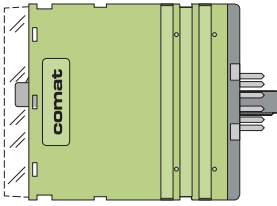


## Ordering example

Timer CPX-519/ANX  
Socket C11A



# Plug-in Time Delay Relay multicomat



### Time Delay Relay

Field proven since many years. The plug-in timer series from comat for highest quality requirements and unattained versatile operation.

### CPX-129

#### Multifunctional Time Delay Relay

- 5 functions
- 2 change-over contacts
- potential-free triggering

### CFG-126

#### Multifunctional Time Delay Relay with 3 double functions

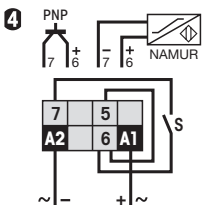
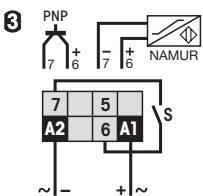
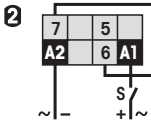
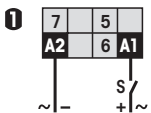
- individual setting of t1/t2
- 2 change-over contacts
- potential-free triggering

### CTI-129

#### Multifunctional Cycle Timer

- Reset interval can be set separate
- 2 change-over contacts

### Triggering



### E-0 Triggering

Function (page \*)

Time range  
Partial range

μ MAX

Diagram  
Connection  
with socket C11A



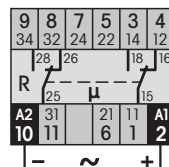
0,1s-15h  
s; min; h

6 A 250V~



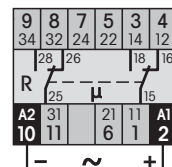
2x 0,01s-15min  
s; min

6 A 250V~



2x 0,1s-15h  
s; min; h

6 A 250V~



~ AC 50/60Hz

AC220-240V

ATX

AC220-240V

ATX

AC220-240V

ATX

~ UC AC/DC

UC24-48V

UFK

UC24-48V

UFK

UC24-48V

UFK

== DC <math>\leq 10\%</math>

DC110-240V

DNX

DC110-240V

DNX

DC110-240V

DNX

Ordering no. →

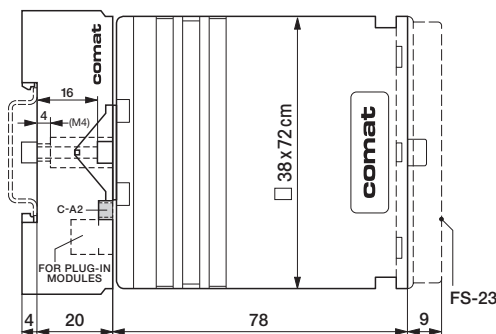
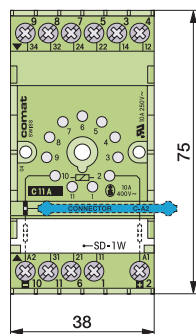
CPX-129/ ...

CFG-126/ ...

CTI-129/ ...

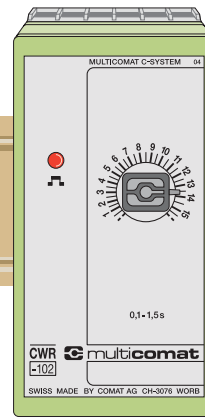
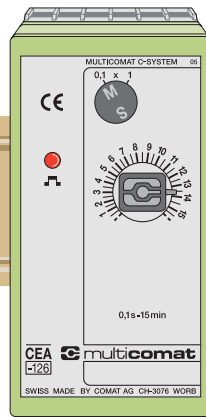
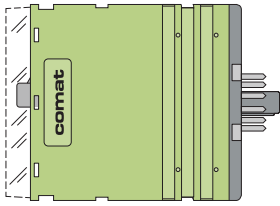
### System socket C11A

Figure: with plug-in neutral conductor connector C-A2 (standard delivery).



### Ordering example

Timer CPX-129/ATX  
Socket C11A



### Time Delay Relays

Field proven since many years.  
The plug-in timer series from comat for highest quality requirements and unattained versatile operation.

### CEA-126

#### Multifunctional Time Delay Relays

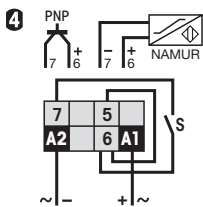
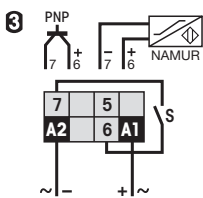
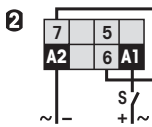
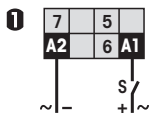
- on delay or off delay
- 2 change-over contacts
- potential-free triggering

### CWR-102

#### Single Shot Relay

- 3 functions
- function t1 = t2
- 2 change-over contacts
- potential-free triggering

### Triggering



### E 1 Triggering

Function (page \*)

Time range  
Partial range

μ MAX

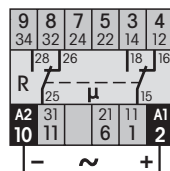
Diagram  
Connection  
with socket C11A

### E 2-3

A 4

0,1s-15 min  
s; min

6 A 250V~



~ AC 50/60Hz

AC220-240V

ATX

AC110-120V

ANP

~ UC AC/DC

UC24-48V

U FK

UC12V

UCB

≡ DC <math>\pm 10\%</math>

DC110-240V

DNX

Ordering no. →

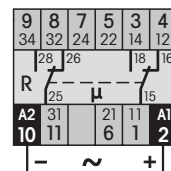
CEA-126/ ...

### W 2 N 4

Q 3

0,1-1,5s

6 A 250V~



AC220-240V

ATX

AC110-120V

ANP

UC24-48V

U FK

UC12V

UCB

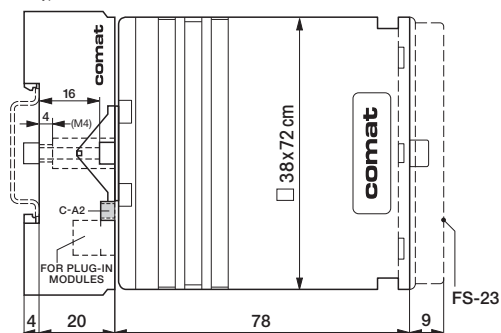
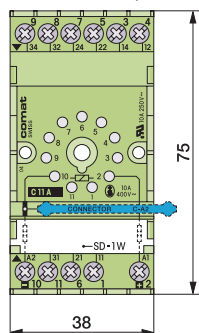
DC110-240V

DNX

CWR-102/ ...

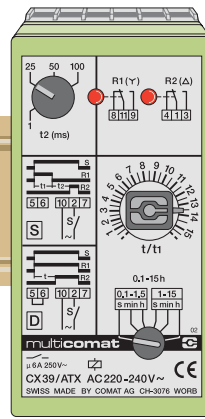
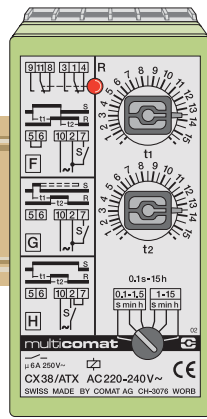
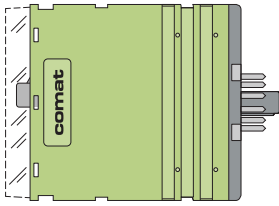
### System socket C11A

Figure: with plug-in neutral conductor connector C-A2 (standard delivery).



### Ordering example

Timer CEA-126/ATX  
Socket C11A



### Time Delay Relays

Electronic Timer Relay with mains triggering and 2 change-over contacts. Digital timing generated with RC-Oscillator and frequency conductor with LED indication of relay function.

### CX 38

#### Multifunctional Time Delay Relays

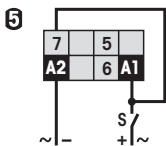
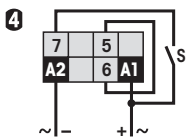
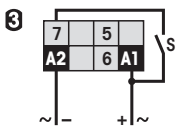
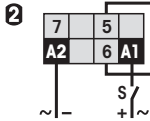
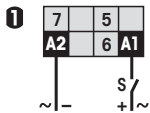
- 3 functions
- delay time ranges can be set individual
- 2 change-over contacts
- mains triggering

### CX 39

#### Star-Delta Timer

- adjustable  $\Delta$  -  $\Delta$  change-over pause.
- On delay with instantaneous contacts (R1 = immediately / R2 = t)
- 2 change-over contacts

### Triggering

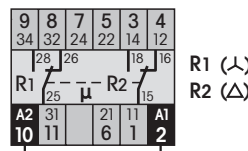
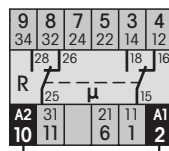


**E** **0** Triggering Function (page \*)

Time range Partial range

$\mu$  MAX

Diagram Connection with socket C11A



~ AC 50/60Hz	AC220-240V	ATX
	AC110-120V	ANP
~ UC AC/DC	UC24-48V	UFK
	UC12V	UCB
DC $\nabla$ 10%	DC110-240V	DNX

AC220-240V	ATX
	ANP
UC24-48V	UFK
	UCB
DC110-240V	DNX

Ordering no.  $\rightarrow$  CX 38/ ...

CX 39/ ...

### Ordering example

Timer CX 38/ATX  
Socket C11A

### System socket C11A

Figure: with plug-in neutral conductor connector C-A2 (standard delivery).

