

Time cube

CT2 / CT3

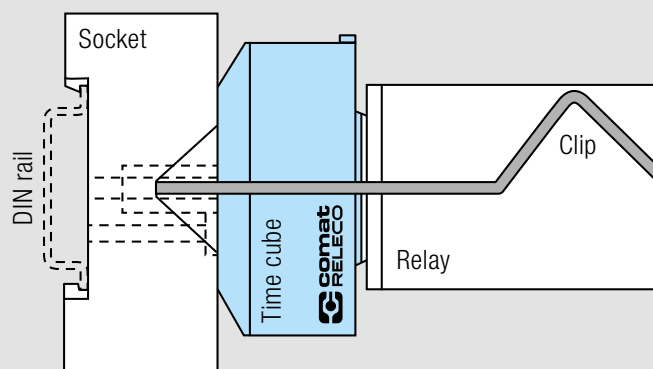


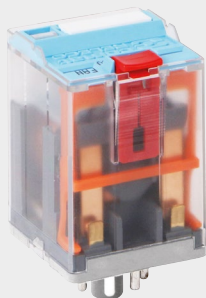
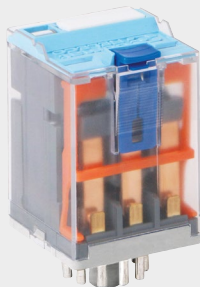
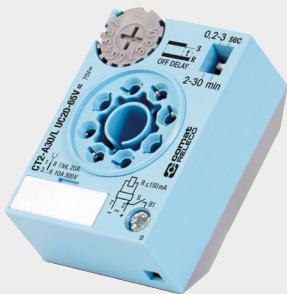
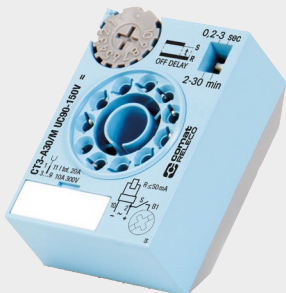
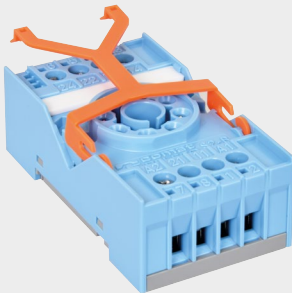
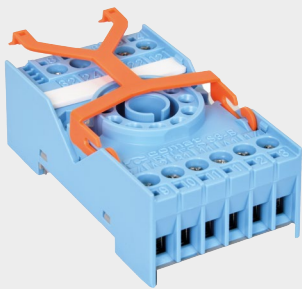
Expanding pluggable industrial relays with timing functions

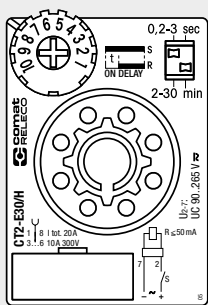
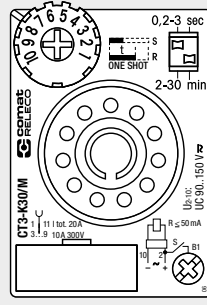
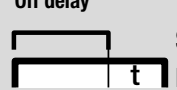
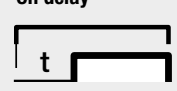
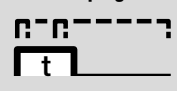
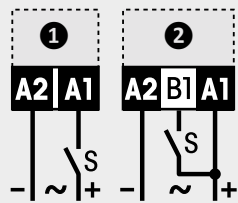
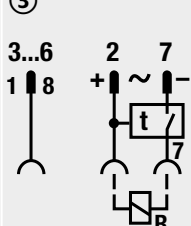
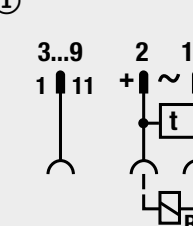
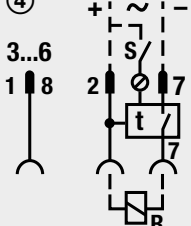
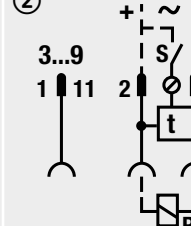
- Can be plugged between 8- or 11-pin relay sockets in accordance with IEC 67-1 and industrial relays with 2 or 3 changeover contacts
- Programmable time ranges: 0.2 s – 30 min
- Digital CMOS timing circuit with RC oscillator and downstream frequency divider
- All functions are mains-controlled; no potential-free contacts required

The **CT2** or **CT3** time cube is an electronic timer that is plugged directly between the relay socket and a pluggable industrial relay. This creates a modular and complete time relay without requiring any additional space. No rewiring is necessary, as the relay's contact terminals remain directly connected to the socket.

The Time Cube allows both new and already installed industrial relays to be retrofitted with the desired timing function. The CT Time Cubes are suitable for all 8- and 11-pin standard industrial relays in accordance with IEC 67, in particular the ComatReleco C2 and C3 series, as well as the Long Life C21/C22 and C31/C32 series.



Relay			
C2 / C21 / C22 2 CO, 10 A		C3 / C31 / C32 3 CO, 10 A	
Time cube			
CT2		CT3	
Socket			
S2-B		S3-B S3-M	
Clip	HF-33		

			CT2 8 Pin					CT3 11 Pin					
Adjustment knob Range DIP switch  0.2 - 2 sec 2 - 30 sec 0.2 - 3 min 2 - 30 min 													
			Operating voltage					Operating voltage					
				90-265V UC	90-150V UC	20-65V UC	Wiring diagram		90-265V UC	90-150V UC	20-65V UC	180-265V UC	Wiring diagram
				H	M	L			H	M	L	U	
A Off delay  S ⇒ R on S OFF ⇒ R off with delay 2			CT2-A30/ ...				4	CT3-A30/ ...				2	
E On delay  S ⇒ R on with delay S OFF ⇒ R off 1			CT2-E30/ ...				3	CT3-E30/ ...				1	
K Puls shaping  S (pulse or continuous contact) ⇒ R on for t S -- no influence on R and t 2			-					CT3-K30/ ...				2	
Control			8 pin wiring diagram					11 pin wiring diagram					
1 A2 A1 			3 3...6 1 8 					1 3...9 1 11 					
			4 3...6 1 8 					2 3...9 1 11 					

Technical data	Output	General	
Max. switching current	U / H / M: 50 mA L: 150 mA	Storage temperature	-40 ... 85 °C
Leakage current	≤ 250 µA	Operating temperature	-25 ... 60 °C
Cut-off voltage	U / H / M: 3 V L: 2.5 V	Dimensions	25 x 35 x 50 mm
Max. inductive load	U / H / M: 48 H L: 5 H	Weight	35 g
Contact connection	10 A, 380 V~	Protection class	IP 20

Product key

CT 3 - A 30 / U UC180-265V

Product family

CT = Time cube

Compatible socket

2 = 8 Pin
3 = 11 Pin

Time functions

A = Switch-off delay
E = Switch-on delay
K = Pulse shaping

Control voltage

AC = Alternating voltage
DC = Direct voltage
UC = AC/DC

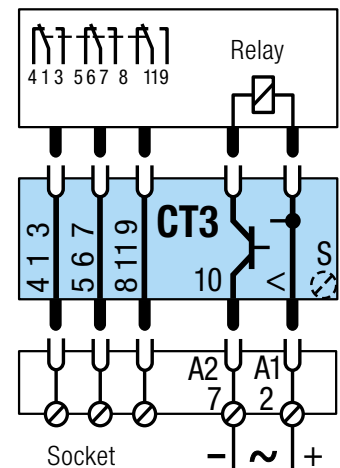
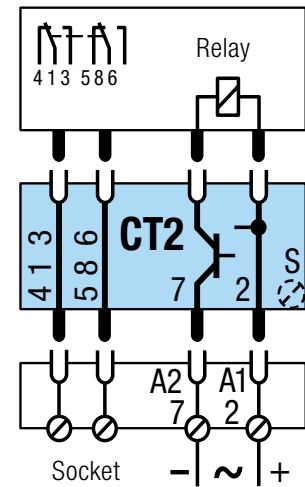
Operating voltage range

L = 20 ... 65 V
H = 90 ... 265 V
M = 90 ... 150 V
U = 180 ... 265 V

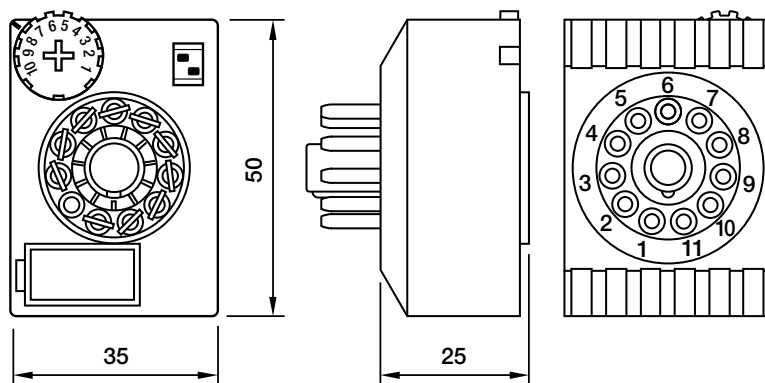
Time range

0.2 s - 30 min

Wiring diagram



Dimensions CT2 / CT3



Approvals

