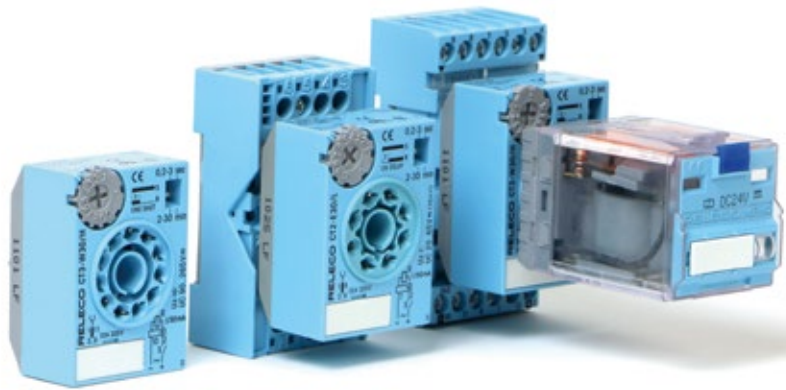


2.4 Time Cubes



Type: CT2: 8 pole, CT3: 11 pole

The CT2 or CT3 Timecube® is an electronic timer that is inserted between the plug-in industrial relay and the socket. This combination is a modular complete time relay without additional space requirement. It offers up to three changeover contacts with a variety of signal contacts and power contacts.

The Timecubes® are suitable for all 8 pin and 11 pin standard industrial relays of the C2 and C3 series according to IEC 67 and also for relays of other manufacturers.

Time functions (Function diagrams: refer to page 152)

Operating voltage controlled types

CT2- / CT3-E30: Function E, on delay
CT2- / CT3-W30: Function W, one shot
CT2- / CT3-B30: Function B, blinker

Trigger input controlled types

CT2- / CT3-A30, off delay
CT2- / CT3-K30, pulse shaping

Time data

4 partial time ranges (DIP switch)



Fine adjustment time range (rotary knob)

$t_{min} \dots t_{max}$, 2 ... 30

Time range tolerance

t_{min} : 0 ... + 35 %

Repetition accuracy

± 0.5 % or ± 20 ms

Reset time

≤ 200 ms

Reset time B1 (trigg. inp.) A, K

≤ 80 ms

Voltage failure buffering

5 ms (except the relay)

Power supply- and control input (UC = AC or DC)

CT2- / CT3- ... / S	DC 9.5 ... 18 V	12 mA
CT2- / CT3- ... / L	UC 20 ... 65 V	6 mA
CT2- / CT3- ... / M	UC 90 ... 150 V	2 mA
CT2- / CT3- ... / U	UC 180 ... 265 V	2 mA
CT2- / CT3- ... / H	UC 90 ... 265 V	2 mA
Residual current E, W, B	≤ 0.3 mA	
Residual current B1 (trigg. inp.) A, K	≤ 0.2 mA	

General specifications

Ambient temperature storage / operation	-40 ... +70 °C / -25 ... +60 °C
Ingress protection degree	IP40
Housing material	Lexan
Weight	35 g

Standard types

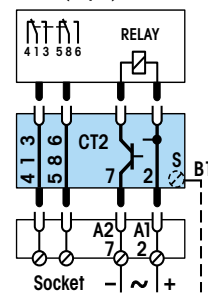
UC 50 Hz / 60 Hz: 20 ... 265 V
DC 12 V

8 pole	11 pole	Voltage
CT2-E30/S CT2-W30/S CT2-B30/S CT2-A30/S CT2-K30/S	CT3-E30/S CT3-W30/S CT3-B30/S CT3-A30/S CT3-K30/S	DC 9.5...18 V
CT2-E30/L CT2-W30/L CT2-B30/L CT2-A30/L CT2-K30/L	CT3-E30/L CT3-W30/L CT3-B30/L CT3-A30/L CT3-K30/L	UC 20...65 V
CT2-A30/M CT2-K30/M	CT3-A30/M CT3-K30/M	UC 90...150 V
CT2-A30/U CT2-K30/U	CT3-A30/U CT3-K30/U	UC 180...265 V
CT2-E30/H CT2-W30/H CT2-B30/H	CT3-E30/H CT3-W30/H CT3-B30/H	UC 90...265 V

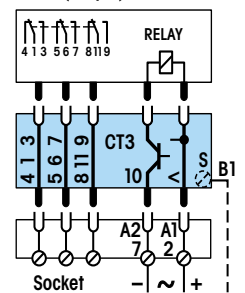


Wiring diagram

CT2 (8-pin)

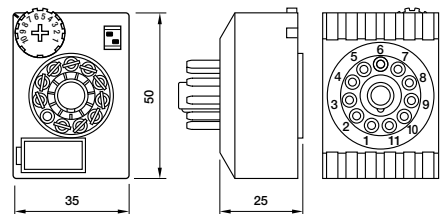


CT3 (11-pin)



Only A, K

Dimensions [mm]



Only 11-pin version shown.
The dimension of the 8-pin version are identical

Technical approvals, conformities

