Timecubes®
CT2, CT3
8-pin and 11-pin Timecubes®

Type: CT2: 8 pole, CT3: 11 pole
The CT2 or CT3 Timecubes® 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 130)

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)

3 sec 30 sec 3 min 30 min

Fine adjustment time range (rotary knob) 3 sec ... t_{\text{max}} 2 ... 30
Time range tolerance t_{\text{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-A30/L CT2-A30/M CT2-A30/H 8-pin
CT2-W30/S CT2-K30/L CT2-K30/M CT2-W30/H
CT2-B30/S CT2-B30/L CT2-B30/H
CT2-E30/L CT2-E30/M CT2-E30/H
CT2-W30/L CT2-W30/M CT2-W30/H
CT2-B30/L CT2-B30/M CT2-B30/H
CT3-E30/S CT3-A30/S CT3-A30/L CT3-E30/H
CT3-W30/S CT3-W30/L CT3-W30/M CT3-W30/H
CT3-B30/S CT3-B30/L CT3-B30/M CT3-B30/H
CT3-K30/S CT3-K30/L CT3-K30/M CT3-K30/H

Dimensions [mm]

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

Technical approvals, conformities

This issue replaces all previous issues. Availability, errors and specifications subject to change without notice.