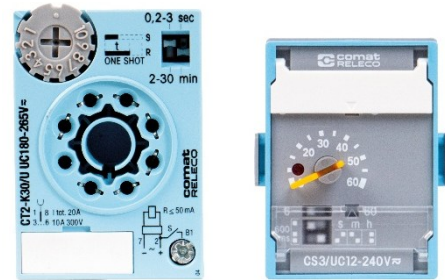


Change instructions from CT2 to CS3

As part of the consolidation of our product range, various versions of the CT2 time cube are being discontinued.

The functionality of most variants can be covered by the plug-in time relay CS3/UC12-240V,

This document outlines the similarities and differences between the CT2 variants and the **CS3/UC12-240V**.



1 Technical compatibility

The CT2 time cubes are used to add a timing function to electromechanical relays of the C2 series. The time cube is plugged in between the relay and the socket.

The CS3 is a complete plug-in time relay. With the change to the CS3, not only the CT2 but also the C2 relay is omitted. When replacing the time cube and its relay, the exact specification of the C2 relay must be noted and checked for compatibility with the CS3.

The individual components are compared below:

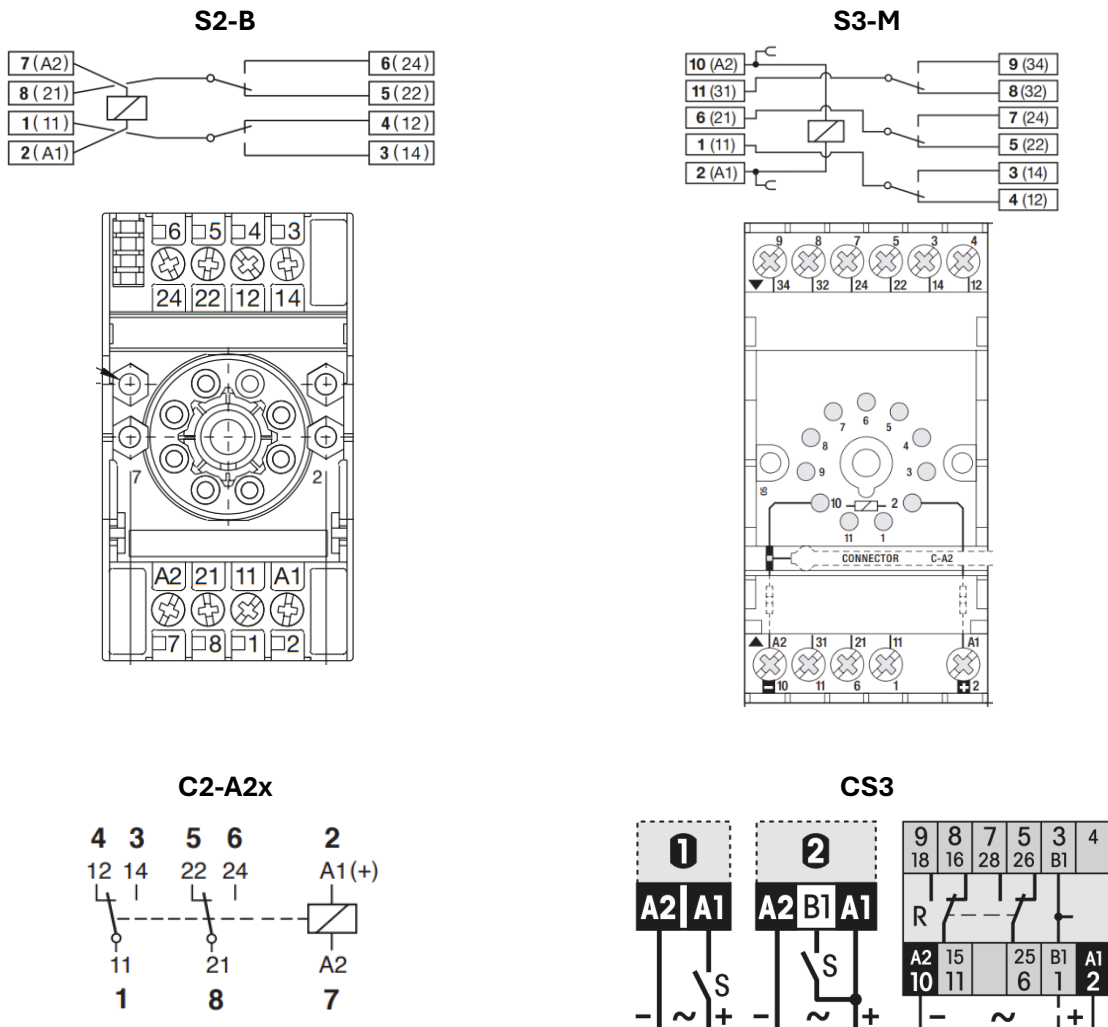
	C2-A20 + CT2	C2-A28 + CT2	CS3/UC12-240V
Contacts	2 changeover		
Contact material	AgNi	AgNi + 5 µm Au	AgNi
Rated current	10 A		6 A
Minimum load	10 mA / 10 V	5 mA / 5 V	10 mA / 10 V
Inrush current	30 A, 20 ms		10 A, 10 ms
Frequency range	DC, 50 Hz, 60 Hz variants available		DC; 45 ... 63 Hz
Control voltage (C2 + CT2 combination)	Depending on variant 12 ... 240 V AC/DC		12 ... 240 V AC/DC
Operating voltage range	Depending on variant		10 ... 265 V AC/DC
Time functions	A, E, B, K		A, E, B, K, W, B2, N
Corresponding socket	S2-B		S3-M

2 Wiring

The arrangement of the terminals is similar across the bases. In particular, the control terminals A1/A2 are at the bottom, and the relay terminals are at the top.

The relay outputs of the CS3 are wired to terminals 9/8 and 7/5; the control signal B1 is connected to 3/1.

2.1 Wiring diagram



The requirements for conductor cross-section and torque are identical.

3 Product overview

Discontinued product	Alternative product
CT2-A30/S DC9.5-18V R	CS3/UC12-240V (> 10 V)
CT2-B30/S DC9.5-18V R	
CT2-E30/S DC9.5-18V R	
CT2-K30/S DC9.5-18V R	
CT2-B30/L UC20-65V R	CS3/UC12-240V
CT2-E30/L UC20-65V R	
CT2-K30/L UC20-65V R	
CT2-B30/H UC90-265V R	
CT2-K30/M UC90-150V R	
CT2-A30/U UC180-265V R	
CT2-K30/U UC180-265V R	

The data sheets for the [CT2](#) and the [CS3/UC12-240V](#) are available on our website and contain all relevant technical information. You will find these replacement guides for both the discontinued items and the successor product.

A complete overview of all time relays can be found via the navigation:

<https://www.comatreleco.com/en/Products/Time-Relays/>

If you have any further questions, our technical support team will be happy to assist you:

support@comatreleco.com