



**Electric Automation**  
Automation specialists

Reference: CT-SDS.23S  
Code: 1SVR730211R2300

CT-SDS.23S Time relay, star-delta 2n/o,  
380-440VAC

[Buy it at Electric Automation Network](#)



The CT-SDS.23S is a single-function electronic time relay from the CT-S timer range. It provides a star-delta function with 7 time ranges from 0.05 s to 10 min. and a fixed transition time of 50 ms. This time relay operates with a rated control supply voltage of 380 - 440 V AC and has a 2 n/o output with contacts rated at 250 V / 4 A. A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers screw connection technology with double-chamber cage connection terminals.

### Ordering

|                         |               |
|-------------------------|---------------|
| EAN:                    | 4016779851541 |
| Minimum Order Quantity: | 1 piece       |
| Customs Tariff Number:  | 85364900      |

### Container Information

|                               |         |
|-------------------------------|---------|
| Package Level 1 Units:        | 1 piece |
| Package Level 1 Width:        | 97 mm   |
| Package Level 1 Length:       | 30 mm   |
| Package Level 1 Height:       | 109 mm  |
| Package Level 1 Gross Weight: | 0.14 kg |

### Dimensions

|                     |          |
|---------------------|----------|
| Product Net Width:  | 22.5 mm  |
| Product Net Height: | 85.6 mm  |
| Product Net Depth:  | 103.7 mm |
| Product Net Weight: | 0.118 kg |

## Technical

|  |  |
|--|--|
| Timer Relay Type:                                    | Star-Delta   |
| Time Range:  | 0.05 s - 10 min  |
| Rated Control Supply Voltage (U <sub>s</sub> ):      | 380 ... 440 V AC   |
| Rated Frequency (f):                                 | 50 Hz<br>60 Hz   |
| Output:  | 2 n/o contacts   |
| Terminal Type:                                       | Screw Terminals  |
| Rated Operational Current AC-12 (I <sub>e</sub> ):   | (230 V) 4 A  |
| Rated Operational Current AC-15 (I <sub>e</sub> ):   | (230 V) 3 A  |
| Rated Operational Current DC-12 (I <sub>e</sub> ):   | (24 V) 4 A   |
| Rated Operational Current DC-13 (I <sub>e</sub> ):   | (24 V) 2 A   |
| Minimum Switching Capacity:                          | 12 V<br>10 mA  |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ): | Input Circuit 4 kV<br>Output Circuit 1 / Output Circuit 2 4 kV   |
| Rated Insulation Voltage (U <sub>i</sub> ):          | Input Circuit / Output Circuit 500 V<br>Output Circuit 1 / Output Circuit 2 300 V  |
| Degree of Protection:                                | Housing IP50<br>Terminals IP20   |
| Overvoltage Category:                                | III  |
| Pollution Degree:                                    | 3  |
| Short-Circuit Protective Devices:                    | Output Circuit NC - F Type Fuses 6 A<br>Output Circuit NO - F Type Fuses 10 A  |
| Electrical Durability:                               | AC-12 100000 cycle   |
| Mechanical Durability:                               | 30000000 cycle   |
| Connecting Capacity:                                 | Flexible with Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup><br>Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup><br>Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup><br>Flexible 1x 0.5 ... 2.5 mm <sup>2</sup><br>Flexible 2x 0.5 ... 1.5 mm <sup>2</sup><br>Rigid 1x 0.5 ... 4 mm <sup>2</sup><br>Rigid 2x 0.5 ... 2.5 mm <sup>2</sup> |
| Tightening Torque:                                   | 0.6 ... 0.8 N·m  |
| Wire Stripping Length:                               | 8 mm   |
| Mounting Position:                                   | Any  |
| Mounting on DIN Rail:                                | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715<br>TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715   |

|            |   |
|------------|---|
| Standards: | IEC 61812-1<br>EN 61812-1 + A11<br>DIN VDE 0435 part 2021 |
|------------|---|

## Environmental

|                          |   |
|--------------------------|---|
| Ambient Air Temperature: | Operation -25 ... +60 °C<br>Storage -40 ... +85 °C              |
| RoHS Status:             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Technical UL/CSA

|                                   |  |
|-----------------------------------|--|
| Maximum Operating Voltage UL/CSA: | Output Circuit 300 V AC  |
| Contact Rating UL/CSA:            | B300   |
| Connecting Capacity UL/CSA:       | Flexible 1x 18 ... 14 AWG<br>Flexible 2x 18 ... 16 AWG<br>Rigid 1x 20 ... 12 AWG<br>Rigid 2x 20 ... 14 AWG |
| Tightening Torque UL/CSA:         | 7.08 in·lb   |

## Certificates and Declarations (Document Number)

|                                 |                                |
|---------------------------------|--------------------------------|
| CB Certificate:                 | CB_DK-5903-M1                  |
| CCC Certificate:                | CCC_2007010303255979_for_1SVR7 |
| cULus Certificate:              | cULus508_20110711-E140448A     |
| Declaration of Conformity - CE: | 1SAD938502-0201                |
| EAC Certificate:                | EAC_RU_C-DE.ME77.B.02016       |
| GL Certificate:                 | GL_36671-11HH                  |
| GOST Certificate:               | GOST_POCC_DE.AB76.D02256       |
| RMRS Certificate:               | RMRS_12.04010.250              |
| RoHS Information:               | 1SAA981055-4401                |

## Classifications

|                             |                        |
|-----------------------------|------------------------|
| Object Classification Code: | K                      |
| E-nummer:                   | 4033124                |
| ETIM 4:                     | EC001439 - Timer relay |
| ETIM 5:                     | EC001439 - Timer relay |
| eClass:                     | 7.0 27371790           |