

## PRODUCT-DETAILS

# CT-SDS.23S

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



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | CT-SDS.23S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product ID            | 1SVR730211R2300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| EAN                   | 4016779851541                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Catalog Description   | CT-SDS.23S Time relay, star-delta 2n/o, 380-440VAC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Long Description      | 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      |

### Popular Downloads

|                                   |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | 2CDC110004C0210_01 |
| Instructions and Manuals          | 1SVC730020M0000    |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 22.5 mm  |
| Product Net Height         | 85.6 mm  |
| Product Net Depth / Length | 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                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Recommended Screw Driver                            | Pozidriv 1<br>0.8 x 4<br>4.5                                                                                                                                                                                                                                                                                                                                                                                         |
| Mounting Position                                   | 1 ... 6                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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                                           | CAN/CSA C22.2 No.14<br>IEC/EN 63000<br>IEC/EN 61812-1<br>UL 508                                                                                                                                                                                                                                                                                                                                                      |

## 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                                                                                 |

## Environmental

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| Ambient Air Temperature                | Operation -25 ... +60 °C<br>Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible | Without Derating 2000 m                            |
| RoHS Status                            | Following EU Directive 2011/65/EU                  |

## Certificates and Declarations (Document Number)

|                                   |                             |
|-----------------------------------|-----------------------------|
| CB Certificate                    | CB_DK-5903-M1               |
| CCC Certificate                   | CCC_2007010303255979        |
| CQC Certificate                   | CQC2007010303255979         |
| cULus Certificate                 | cULus508_20110711-E140448A  |
| Data Sheet, Technical Information | 2CDC110004C0210_01          |
| Declaration of Conformity - CCC   | 2020980303000207            |
| Declaration of Conformity - CE    | 1SVD981008                  |
| Declaration of Conformity - UKCA  | 1SVD981008-10               |
| DNV GL Certificate                | DNV_GL_TAA00000XR           |
| EAC Certificate                   | EAC_RU_C-DE.ME77.B.00568/20 |
| Environmental Information         | 1SAC200095H0001             |
| Instructions and Manuals          | 1SVC730020M0000             |
| RMRS Certificate                  | RMRS_1740021250             |
| RoHS Information                  | 1SVD981008                  |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 97 mm         |
| Package Level 1 Depth / Length | 30 mm         |
| Package Level 1 Height         | 109 mm        |
| Package Level 1 Gross Weight   | 0.14 kg       |
| Package Level 1 EAN            | 4016779851541 |

## Classifications

|                            |                        |
|----------------------------|------------------------|
| Object Classification Code | K                      |
| ETIM 4                     | EC001439 - Timer relay |

|                    |                        |
|--------------------|------------------------|
| ETIM 5             | EC001439 - Timer relay |
| ETIM 6             | EC001439 - Timer relay |
| ETIM 7             | EC001439 - Timer relay |
| eClass             | V11.0 : 27371605       |
| UNSPSC             | 39121519               |
| E-Number (Finland) | 2712212                |
| E-Number (Sweden)  | 4033124                |

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## Categories

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Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Time Relays → CT-S

