



PRODUCT-DETAILS

# CT-ARS.21S

## CT-ARS.21S Time relay, true OFF-delay 2c/o, 24-240VAC/DC



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | CT-ARS.21S                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Product ID            | 1SVR730120R3300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EAN                   | 4016779851497                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Catalog Description   | CT-ARS.21S Time relay, true OFF-delay 2c/o, 24-240VAC/DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Long Description      | The CT-ARS.21S is a single-function electronic time relay from the CT-S timer range. It provides an OFF-delay (true delay on break) function without auxiliary voltage and with 10 time ranges from 0.05 s to 300 h. This time relay operates with a rated control supply voltage of 24 - 240 V AC / DC and has a 2 c/o (SPDT) 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                    | 4016779851497 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85364900      |

### Popular Downloads

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 2CDC110004C0210_01                 |
| Instructions and Manuals          | 1SVC730050M1000<br>1SVC730050M0000 |
| CAD Dimensional Drawing           | 2CDC001079B0201                    |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 22.5 mm  |
| Product Net Height         | 85.6 mm  |
| Product Net Depth / Length | 103.7 mm |
| Product Net Weight         | 0.124 kg |

Technical

|                                                     |                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Timer Relay Type                                    | True OFF-Delay                                                                                                                                                                                                                                                                                                       |
| Time Range                                          | 0.05 s ... 10 min                                                                                                                                                                                                                                                                                                    |
| Rated Control Supply Voltage (U <sub>s</sub> )      | 24 ... 240 V AC/DC                                                                                                                                                                                                                                                                                                   |
| Rated Operational Voltage                           | Auxiliary Circuit 250 V                                                                                                                                                                                                                                                                                              |
| Rated Frequency (f)                                 | 50 / 60 Hz<br>DC                                                                                                                                                                                                                                                                                                     |
| Output                                              | 2 c/o (SPDT) contacts                                                                                                                                                                                                                                                                                                |
| Terminal Type                                       | Screw Terminals                                                                                                                                                                                                                                                                                                      |
| Rated Operational Current AC-12 (I <sub>θ</sub> )   | (230 V) 4 A                                                                                                                                                                                                                                                                                                          |
| Rated Operational Current AC-15 (I <sub>θ</sub> )   | (230 V) 3 A                                                                                                                                                                                                                                                                                                          |
| Rated Operational Current DC-12 (I <sub>θ</sub> )   | (24 V) 4 A                                                                                                                                                                                                                                                                                                           |
| Rated Operational Current DC-13 (I <sub>θ</sub> )   | (24 V) 1.5 A                                                                                                                                                                                                                                                                                                         |
| Minimum Switching Capacity                          | 12 V<br>100 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 mm²<br>Flexible with Ferrule 2x 0.5 ... 1.5 mm²<br>Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm²<br>Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm²<br>Flexible 1x 0.5 ... 2.5 mm²<br>Flexible 2x 0.5 ... 1.5 mm²<br>Rigid 1x 0.5 ... 4 mm²<br>Rigid 2x 0.5 ... 2.5 mm² |
| Tightening Torque                                   | 0.6 ... 0.8 N·m                                                                                                                                                                                                                                                                                                      |
| Wire Stripping Length                               | 8 mm                                                                                                                                                                                                                                                                                                                 |
| Recommended Screw Driver                            | 0.8 x 4<br>4.5<br>Pozidriv 1                                                                                                                                                                                                                                                                                         |
| Mounting Position                                   | 1 ... 6                                                                                                                                                                                                                                                                                                              |
| Mounting on DIN Rail                                | TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715                                                                                                                                                                                                                                                                 |

|           |                                                                 |
|-----------|-----------------------------------------------------------------|
|           | 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                                                                                 |
| Pilot Duty UL/CSA                | B300                                                                                       |
| Flammability According to UL94   | V-0                                                                                        |

Environmental

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| Ambient Air Temperature                | Operation -25 ... +60 °C<br>Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible | Without Derating 2000 m                            |

Material Compliance

|                                             |                                   |
|---------------------------------------------|-----------------------------------|
| Conflict Minerals Reporting Template (CMRT) | 9AKK108467A5658                   |
| REACH Declaration                           | 1SVD981001-4501                   |
| RoHS Information                            | 1SVD981001-4401                   |
| RoHS Status                                 | Following EU Directive 2011/65/EU |
| Toxic Substances Control Act - TSCA         | 2CMT2023-006536                   |

Circular Value

|                           |                 |
|---------------------------|-----------------|
| End of Life Instructions  | 1SAC200290H0001 |
| Environmental Information | 1SAC200095H0001 |

Certificates and Declarations

|                                  |                            |
|----------------------------------|----------------------------|
| CQC Certificate                  | CQC2007010303255979        |
| cULus Certificate                | cULus508_20110711-E140448A |
| Declaration of Conformity - CCC  | 2020980303000207           |
| Declaration of Conformity - CE   | 1SVD981008                 |
| Declaration of Conformity - UKCA | 1SVD981008-10              |
| RMRS Certificate                 | RMRS_1740021250            |

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   | 0.146 kg      |
| Package Level 1 EAN            | 4016779851497 |

Classifications

|                            |                        |
|----------------------------|------------------------|
| Object Classification Code | K                      |
| ETIM 7                     | EC001439 - Timer relay |
| ETIM 8                     | EC001439 - Timer relay |
| ETIM 9                     | EC001439 - Timer relay |
| eClass                     | V11.0 : 27371605       |
| UNSPSC                     | 39122329               |
| E-Number (Finland)         | 2712207                |
| E-Number (Sweden)          | 4033119                |

Categories

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

Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)

