



 PRODUCT-DETAILS

CT-ERS.22S

CT-ERS.22S Time relay, ON-delay 2c/o, 24-48VDC, 24-240VAC



General Information

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| Extended Product Type | CT-ERS.22S |
| Product ID | 1SVR730100R3300 |
| EAN | 4016779851466 |
| Catalog Description | CT-ERS.22S Time relay, ON-delay 2c/o, 24-48VDC, 24-240VAC |
| Long Description | The CT-ERS.22S is a single-function electronic time relay from the CT-S timer range. It provides an ON-delay (delay on make) function with 10 time ranges from 0.05 s to 300 h. This time relay operates with a rated control supply voltage of 24 - 48 V DC / 24 - 240 V AC 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

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|------------------------|---------------|
| EAN | 4016779851466 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85364900 |

Popular Downloads

| | |
|-----------------------|--------------------|
| Data Sheet, Technical | 2CDC110004C0210_01 |
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Information

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| Instructions and Manuals | 1SVC730050M1000 1SVC730050M0000 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

Dimensions

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| Product Net Width | 22.5 mm |
| Product Net Height | 85.6 mm |
| Product Net Depth / Length | 103.7 mm |
| Product Net Weight | 0.121 kg |

Technical

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| Timer Relay Type | ON-Delay |
| Time Range | 0.05 s ... 300 h |
| Rated Control Supply Voltage (U_c) | 24 ... 240 V AC 24 ... 48 V DC |
| Rated Operational Voltage | Auxiliary Circuit 250 V |
| Rated Frequency (f) | 50 / 60 Hz DC |
| Output | 2 c/o (SPDT) contacts |
| Terminal Type | Screw Terminals |
| Rated Operational Current AC-12 (I_{θ}) | (230 V) 4 A |
| Rated Operational Current AC-15 (I_{θ}) | (230 V) 3 A |
| Rated Operational Current DC-12 (I_{θ}) | (24 V) 4 A |
| Rated Operational Current DC-13 (I_{θ}) | (24 V) 2 A |
| Minimum Switching Capacity | 12 V 100 mA |
| Rated Impulse Withstand Voltage (U_{imp}) | Input Circuit 4 kV Output Circuit 1 / Output Circuit 2 4 kV |
| Rated Insulation Voltage (U_i) | Input Circuit / Output Circuit 500 V Output Circuit 1 / Output Circuit 2 300 V |
| Degree of Protection | Housing IP50 Terminals IP20 |
| Overvoltage Category | III |
| Pollution Degree | 3 |
| Short-Circuit Protective Devices | Output Circuit NC - F Type Fuses 6 A 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 ² Flexible with Ferrule 2x 0.5 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ² Flexible 1x 0.5 ... 2.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 1x 0.5 ... 4 mm ² Rigid 2x 0.5 ... 2.5 mm ² |
| Tightening Torque | 0.6 ... 0.8 N·m |
| Wire Stripping Length | 8 mm |
| Recommended Screw Driver | 0.8 x 4 4.5 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 |

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| Standards | CAN/CSA C22.2 No.14 IEC/EN 63000 IEC/EN 61812-1 UL 508 |
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Technical UL/CSA

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|----------------------------------|--|
| Maximum Operating Voltage UL/CSA | Output Circuit 300 V AC |
| Contact Rating UL/CSA | B300 |
| Connecting Capacity UL/CSA | Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG 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

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

Material Compliance

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| 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

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

Certificates and Declarations

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|----------------------------------|----------------------------|
| CQC Certificate | CQC2007010303255979 |
| cULus Certificate | cULus508_20110711-E140448A |
| Declaration of Conformity - CCC | 2020980303000207 |
| Declaration of Conformity - CE | 1SVD981008 |
| Declaration of Conformity - UKCA | 1SVD981008-10 |
| DNV GL Certificate | DNV_GL_TAA00000XR |
| RMRS Certificate | RMRS 1740021250 |

Container Information

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| Package Level 1 Units | box 1 piece |
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| Package Level 1 Width | 97 mm |
| Package Level 1 Depth / Length | 30 mm |
| Package Level 1 Height | 109 mm |
| Package Level 1 Gross Weight | 0.144 kg |
| Package Level 1 EAN | 4016779851466 |

Classifications

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|----------------------------|------------------------|
| 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) | 2712204 |
| E-Number (Sweden) | 4033116 |

Categories

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

