

# CT-AHD.12



Products Low Voltage Products and Systems Control Products Electronic Relays and Controls Time Relays

## General Information

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| <b>Extended Product Type:</b> | CT-AHD.12  |
| <b>Product ID:</b>            | 1SVR500110R0000  |
| <b>EAN:</b>                   | 4013614350665  |
| <b>Catalog Description:</b>   | CT-AHD.12 Time relay, OFF-delay 1c/o, 24-240VAC 24-48VDC   |
| <b>Long Description:</b>      | The CT-AHD.12 is a single-function electronic time relay from the CT-D timer range. It provides an OFF-delay (delay on break) function with 7 time ranges from 0.05 s to 100 h. This time relay operates with a rated control supply voltage of 24 - 48 V DC / 24 - 240 V AC and has a 1 c/o (SPDT) output rated at 250 V / 6 A. A control input works with voltage-related (non-floating) triggering. |

## Additional Information

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| <b>Ambient Air Temperature:</b>           | Operation -20 ... +60 °C<br>Storage -40 ... +85 °C   |
| <b>Analog Inputs:</b>                     | 0  |
| <b>CB Certificate:</b>                    | CB_DK-8574   |
| <b>CCC Certificate:</b>                   | CCC_2005010303153177   |
| <b>Connecting Capacity:</b>               | 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 ... 1.5 mm <sup>2</sup>   |
| <b>Connecting Capacity UL/CSA:</b>        | Flexible 1x 18-14 AWG<br>Flexible 2x 18-16 AWG<br>Rigid 1x 20-12 AWG<br>Rigid 2x 20-16 AWG   |
| <b>Contact Rating UL/CSA:</b>             | C300   |
| <b>Country of Origin:</b>                 | Germany (DE)   |
| <b>Customs Tariff Number:</b>             | 85364900   |
| <b>Data Sheet, Technical Information:</b> | 2CDC111161D0201  |
| <b>Declaration of Conformity - CE:</b>    | 1SVD981010-0000  |
| <b>Degree of Protection:</b>              | Housing IP50<br>Terminals IP20   |
| <b>E-number:</b>                          | 4033011  |
| <b>EAC Certificate:</b>                   | EAC_RU_C-DE.ME77.B.02016   |
| <b>EAN:</b>                               | 4013614350665  |
| <b>EPLAN Catalog Tree:</b>                | Electrical engineering / Relays, contactors / General  |
| <b>EPLAN Function Definition:</b>         | Coil / Coil with special drive, 3 connection points / Coil, with drop-out delay, 3 connection points A1_A2_Y1/B1<br>Change-over contact / Change-over contact, 3 connection points / Change-over contact, off-delay 16_15_18 |
| <b>ETIM 4:</b>                            | EC001439 - Timer relay   |
| <b>ETIM 5:</b>                            | EC001439 - Timer relay   |
| <b>ETIM 6:</b>                            | EC001439 - Timer relay   |
| <b>Environmental Information:</b>         | 1SAA981011-2402  |
| <b>Housing Type:</b>                      | Modular DIN-Rail   |
| <b>IIT Publishing Status:</b>             | Level 0 - Information enabled  |
| <b>Industrial IT Certification Level:</b> | 0  |
| <b>Instructions and Manuals:</b>          | 1SVC500010M1000  |
| <b>Invoice Description:</b>               | CT-AHD.12 Time relay, OFF-delay 1c/o, 24-240VAC 24-48VDC   |
| <b>Maximum Operating Voltage UL/CSA:</b>  | Output Circuit 300 V AC  |

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| Minimum Order Quantity:                            | 1 piece  |
| 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 |
| Number of Digital Inputs:                          | 1  |
| Object Classification Code:                        | K  |
| Output:  | 1 c/o (SPDT) contact   |
| Overvoltage Category:                              | III  |
| Package Level 1 EAN:                               | 4013614350665  |
| Package Level 1 Gross Weight:                      | 0.065 kg   |
| Package Level 1 Height:                            | 65 mm  |
| Package Level 1 Length:                            | 20 mm  |
| Package Level 1 Units:                             | 1 piece  |
| Package Level 1 Width:                             | 89 mm  |
| Pollution Degree:                                  | 3  |
| Power Loss:  | Approximately 2 W  |
| Product Main Type:                                 | CT-AHD   |
| Product Name:                                      | Time Relay   |
| Product Net Depth:                                 | 63 mm  |
| Product Net Height:                                | 70 mm  |
| Product Net Weight:                                | 0.053 kg   |
| Product Net Width:                                 | 17.5 mm  |
| RMRS Certificate:                                  | RMRS_1740021250  |
| Rated Control Supply Voltage (U <sub>s</sub> ):    | 24 ... 240 V AC<br>24 ... 48 V DC  |
| Rated Operational Current AC-12 (I <sub>e</sub> ): | (230 V) 6 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) 6 A   |
| Rated Operational Current DC-13 (I <sub>e</sub> ): | (24 V) 2 A   |
| Regulatory Compliance Mark (RCM):                  | Yes  |
| RoHS Date:   | 1146   |
| RoHS Information:                                  | 1SVD981001-4400  |
| RoHS Status:                                       | Following EU Directive 2011/65/EC  |
| Selling Unit of Measure:                           | piece  |
| Short Description:                                 | CT-AHD.12 Time relay, OFF-delay  |
| Short-Circuit Protective Devices:                  | Output Circuit NC - F Type Fuses 6 A<br>Output Circuit NO - F Type Fuses 10 A                                  |
| Standards:   | IEC/EN 61812-1<br>UL 508<br>CAN/CSA C22.2 No.14  |
| Terminal Type:                                     | Screw Terminals  |
| Tightening Torque:                                 | 0.5 ... 0.8 N·m  |
| Tightening Torque UL/CSA:                          | 4.43 ... 7.08 in·lb  |
| Time Range:  | 0.05 s - 100 h   |
| Timer Relay Type:                                  | OFF-Delay  |
| UL Certificate:                                    | UL508_E140448  |
| Wire Stripping Length:                             | 7 mm   |
| cUL Certificate:                                   | cUL508_E140448   |
| eClass:  | 7.0 27371790   |

