

## PRODUCT-DETAILS

# CT-AHC.12

## CT-AHC.12 Time relay, OFF-delay 1c/o, 24-48VDC/24-240VAC



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | CT-AHC.12                                                                                                                                                                                                                                                                                                                                                                                              |
| Product ID            | 1SVR508110R0000                                                                                                                                                                                                                                                                                                                                                                                        |
| EAN                   | 4013614534294                                                                                                                                                                                                                                                                                                                                                                                          |
| Catalog Description   | CT-AHC.12 Time relay, OFF-delay 1c/o, 24-48VDC/24-240VAC                                                                                                                                                                                                                                                                                                                                               |
| Long Description      | The CT-AHC.12 is a single-function electronic time relay from the CT-C 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 / 4 A. A control input works with voltage-related (non-floating) triggering. |

### Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 4013614534294 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85364900      |

### Popular Downloads

|                                   |                    |
|-----------------------------------|--------------------|
| Data Sheet, Technical Information | 2CDC110004C0210_01 |
| Instructions and Manuals          | 1SVC500020M0001    |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 17.5 mm  |
| Product Net Height         | 70 mm    |
| Product Net Depth / Length | 63 mm    |
| Product Net Weight         | 0.053 kg |

## Technical

|                                                     |                                                                                                                                                                  |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Timer Relay Type                                    | OFF-Delay                                                                                                                                                        |
| Time Range                                          | 0.05 s ... 100 h                                                                                                                                                 |
| Rated Control Supply Voltage (U <sub>s</sub> )      | 24 ... 240 V AC<br>24 ... 48 V DC                                                                                                                                |
| Rated Frequency (f)                                 | 50 Hz<br>60 Hz<br>DC                                                                                                                                             |
| Output                                              | 1 c/o (SPDT) contact                                                                                                                                             |
| 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>100 mA                                                                                                                                                   |
| Rated Impulse Withstand Voltage (U <sub>imp</sub> ) | Input Circuit 4 kV                                                                                                                                               |
| Rated Insulation Voltage (U <sub>i</sub> )          | Input Circuit / Output Circuit 300 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                                                                                    |
| Connecting Capacity                                 | 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> |
| Tightening Torque                                   | 0.5 ... 0.8 N·m                                                                                                                                                  |
| Wire Stripping Length                               | 7 mm                                                                                                                                                             |
| Recommended Screw Driver                            | Pozidriv 1<br>0.8 x 4                                                                                                                                            |
| 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 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              | Flexible 1x 18-14 AWG   |

UL/CSA

Flexible 2x 18-16 AWG  
Rigid 1x 20-12 AWG  
Rigid 2x 20-16 AWGTightening Torque  
UL/CSA

4.43 ... 7.08 in-lb

## Environmental

Ambient Air  
TemperatureOperation -20 ... +60 °C  
Storage -40 ... +85 °CMaximum Operating  
Altitude Permissible

Without Derating 2000 m

RoHS Status

Following EU Directive 2011/65/EU

## Certificates and Declarations (Document Number)

|                                      |                          |
|--------------------------------------|--------------------------|
| CCC Certificate                      | CCC_2019010303150608     |
| CQC Certificate                      | CQC2019010303150608      |
| cULus Certificate                    | cULus_20031209-E140448   |
| Data Sheet, Technical<br>Information | 2CDC110004C0210_01       |
| Declaration of<br>Conformity - CCC   | 2020980303000209         |
| Declaration of<br>Conformity - CE    | 1SVD981068               |
| Declaration of<br>Conformity - UKCA  | 1SVD981068-10            |
| DNV GL Certificate                   | DNV_GL_TAA00002TS        |
| EAC Certificate                      | EAC_RU_C-DE.ME77.B.03531 |
| Environmental<br>Information         | 1SAC200110H0001          |
| Instructions and<br>Manuals          | 1SVC500020M0001          |
| RoHS Information                     | 1SVD981068               |

## Container Information

|                                   |               |
|-----------------------------------|---------------|
| Package Level 1 Units             | box 1 piece   |
| Package Level 1 Width             | 89 mm         |
| Package Level 1 Depth /<br>Length | 20 mm         |
| Package Level 1 Height            | 65 mm         |
| Package Level 1 Gross<br>Weight   | 0.065 kg      |
| Package Level 1 EAN               | 4013614534294 |

## Classifications

|                               |                        |
|-------------------------------|------------------------|
| Object Classification<br>Code | K                      |
| ETIM 5                        | EC001439 - Timer relay |
| ETIM 6                        | EC001439 - Timer relay |
| ETIM 7                        | EC001439 - Timer relay |
| eClass                        | V11.0 : 27371605       |
| UNSPSC                        | 39121519               |
| E-Number (Finland)            | 2712829                |
| E-Number (Sweden)             | 4030220                |

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## Categories

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

