

# CT-MFD.12



## General Information

|                               |  |
|-------------------------------|--|
| <b>Extended Product Type:</b> | CT-MFD.12  |
| <b>Product ID:</b>            | 1SVR500020R0000  |
| <b>EAN:</b>                   | 4013614350634  |
| <b>Catalog Description:</b>   | CT-MFD.12 Time relay, multifunction  |
| <b>Long Description:</b>      | The CT-MFD.12 is a multifunction electronic time relay from the CT-D timer range. It provides 7 timing functions 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. |

## Categories

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

## Ordering

|                                |               |
|--------------------------------|---------------|
| <b>EAN:</b>                    | 4013614350634 |
| <b>Minimum Order Quantity:</b> | 1 piece       |
| <b>Customs Tariff Number:</b>  | 85364900      |

## Container Information

|                                      |          |
|--------------------------------------|----------|
| <b>Package Level 1 Units:</b>        | 1 piece  |
| <b>Package Level 1 Width:</b>        | 89.0 mm  |
| <b>Package Level 1 Length:</b>       | 20.0 mm  |
| <b>Package Level 1 Height:</b>       | 65.0 mm  |
| <b>Package Level 1 Gross Weight:</b> | 0.065 kg |

## Dimensions

|                            |          |
|----------------------------|----------|
| <b>Product Net Width:</b>  | 17.5 mm  |
| <b>Product Net Height:</b> | 70.0 mm  |
| <b>Product Net Depth:</b>  | 63.0 mm  |
| <b>Product Net Weight:</b> | 0.053 kg |

## Technical

|   |   |
|---|---|
| <b>Timer Relay Type:</b>                                | Multifunction<br>ON-delay<br>OFF-delay<br>Impulse-ON<br>Impulse-OFF<br>Flasher starting with ON<br>Flasher starting with OFF<br>Pulse Generator |
| <b>Time Range:</b>                                      | 0.05 s - 100 h  |
| <b>Rated Control Supply Voltage (U<sub>s</sub>):</b>    | 24 ... 240 V AC<br>24 ... 48 V DC   |
| <b>Output:</b>  | 1 c/o (SPDT) contact  |
| <b>Terminal Type:</b>                                   | Screw Terminals   |
| <b>Rated Operational Current AC-12 (I<sub>θ</sub>):</b> | (230V) 6.000 A  |
| <b>Rated Operational Current DC-12 (I<sub>θ</sub>):</b> | (24V) 6.000 A   |
| <b>Rated Operational Current DC-13 (I<sub>θ</sub>):</b> | (24V) 1.000 A   |
| <b>Degree of Protection:</b>                            | Housing IP50  |

|  |  |
|--|--|
|  | Terminals IP20   |
| <b>Overvoltage Category:</b>             | III  |
| <b>Pollution Degree:</b>                 | 3  |
| <b>Short-Circuit Protective Devices:</b> | Output Circuit NC - F Type Fuses 6 A<br>Output Circuit NO - F Type Fuses 10 A  |
| <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>Tightening Torque:</b>                | 0.5 ... 0.8 N·m  |
| <b>Wire Stripping Length:</b>            | 7 mm   |
| <b>Mounting Position:</b>                | Any  |
| <b>Mounting on DIN Rail:</b>             | 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   |
| <b>Standards:</b>                        | IEC 61812-1<br>EN 61812-1 + A11<br>DIN VDE 0435 part 2021  |

## Environmental

|                                 |   |
|---------------------------------|---|
| <b>Ambient Air Temperature:</b> | Operation -20 ... +60 °C<br>Storage -40 ... +85 °C              |
| <b>RoHS Status:</b>             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Technical UL/CSA

|  |  |
|--|--|
| <b>Maximum Operating Voltage UL/CSA:</b> | Output Circuit 300 V AC  |
| <b>Contact Rating UL/CSA:</b>            | C300   |
| <b>Connecting Capacity UL/CSA:</b>       | Flexible 1x 20 ... 14 AWG<br>Flexible 2x 20 ... 16 AWG<br>Rigid 1x 20 ... 12 AWG<br>Rigid 2x 20 ... 16 AWG |
| <b>Tightening Torque UL/CSA:</b>         | 4.43 ... 7.08 in·lb  |

## Certificates and Declarations (Document Number)

|  |                      |
|--|----------------------|
| <b>CCC Certificate:</b>                | CCC_2005010303153177 |
| <b>cUL Certificate:</b>                | cUL508_E140448       |
| <b>Declaration of Conformity - CE:</b> | 1SAD938501-0114      |
| <b>GOST Certificate:</b>               | GOST_8572616         |
| <b>RMRS Certificate:</b>               | RMRS_12.04010.250    |
| <b>RoHS Information:</b>               | 1SAA981026-4401      |
| <b>UL Certificate:</b>                 | UL508_E140448        |

## Classifications

|                                    |                        |
|------------------------------------|------------------------|
| <b>Object Classification Code:</b> | K                      |
| <b>E-nummer:</b>                   | 4033001                |
| <b>ETIM 4.0:</b>                   | EC001439 - Timer relay |
| <b>ETIM 5.0:</b>                   | EC001439 - Timer relay |

