



PRODUCT-DETAILS

CT-MFC.21

CT-MFC.21 Time relay, Multifunctional 2c/o, 12-240VAC/DC



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | CT-MFC.21                                                                                                                                                                                                                                                                                                                                                                            |
| Product ID            | 1SVR508020R1100                                                                                                                                                                                                                                                                                                                                                                      |
| EAN                   | 4013614534324                                                                                                                                                                                                                                                                                                                                                                        |
| Catalog Description   | CT-MFC.21 Time relay, Multifunctional 2c/o, 12-240VAC/DC                                                                                                                                                                                                                                                                                                                             |
| Long Description      | The CT-MFC.21 is a multifunction electronic time relay from the CT-C 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 12 - 240 V AC / DC and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. A control input works with voltage-related (non-floating) triggering. |

| Ordering               |               |
|------------------------|---------------|
| EAN                    | 4013614534324 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85364900      |

Popular Downloads

|                                   |                                    |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 2CDC110004C0210_01                 |
| Instructions and Manuals          | 1SVC500020M1001<br>1SVC500020M0001 |
| CAD Dimensional Drawing           | 2CDC001079B0201                    |

Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 17.5 mm  |
| Product Net Height         | 80 mm    |
| Product Net Depth / Length | 63 mm    |
| Product Net Weight         | 0.066 kg |

Technical

|                                                     |                                                                                                                                                                  |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Timer Relay Type                                    | ON-Delay<br>OFF-Delay<br>Impulse ON<br>Impulse OFF<br>Flasher Starting with ON<br>Flasher Starting with OFF<br>Pulse Former                                      |
| Time Range                                          | 0.05 s ... 100 h                                                                                                                                                 |
| Rated Control Supply Voltage (U <sub>s</sub> )      | 12 ... 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>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) 1 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 6 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 | 0.8 x 4 Pozidriv 1                                                                                             |
| 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            | (NO:) B300<br>(NC:) C300                                                                   |
| Connecting Capacity UL/CSA       | Flexible 1x 18-14 AWG<br>Flexible 2x 18-16 AWG<br>Rigid 1x 20-12 AWG<br>Rigid 2x 20-16 AWG |
| Tightening Torque UL/CSA         | 4.43 ... 7.08 in-lb                                                                        |
| Pilot Duty UL/CSA                | NC B300<br>NO C300                                                                         |
| Flammability According to UL94   | V-2                                                                                        |

Environmental

|                                        |                                                    |
|----------------------------------------|----------------------------------------------------|
| Ambient Air Temperature                | Operation -20 ... +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  | 1SAC200318H0001 |
| Environmental Information | 1SAC200110H0001 |

Certificates and Declarations

|                 |                      |
|-----------------|----------------------|
| CCC Certificate | CCC_2019010303150608 |
| CQC Certificate | CQC2019010303150608  |

|                                     |                        |
|-------------------------------------|------------------------|
| cULus Certificate                   | cULus_20031209-E140448 |
| 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      |

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   | 0.079 kg      |
| Package Level 1 EAN               | 4013614534324 |

Classifications

|                               |                        |
|-------------------------------|------------------------|
| Object Classification<br>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)            | 2712826                |
| E-Number (Sweden)             | 4030217                |

Categories

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

