

PRODUCT-DETAILS

# CT-MFD.12

## CT-MFD.12 Time relay, multifunction 1c/o, 24-240VAC 24-48VDC



### General Information

Extended Product Type	CT-MFD.12
Product ID	1SVR500020R0000
EAN	4013614350634
Catalog Description	CT-MFD.12 Time relay, multifunction 1c/o, 24-240VAC 24-48VDC
Long Description	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.

### Ordering

EAN	4013614350634
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

### Popular Downloads

Data Sheet, Technical Information	2CDC110004C0210_01
Instructions and Manuals	1SVC500010M1000 1SVC500010M0000

**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	ON-Delay OFF-Delay Impulse ON Impulse OFF Flasher Starting with ON Flasher Starting with OFF Pulse Former
Time Range	0.05 s ... 100 h
Rated Control Supply Voltage ( $U_s$ )	24 ... 240 V AC 24 ... 48 V DC
Rated Operational Voltage	Auxiliary Circuit 250 V
Rated Frequency (f)	DC 50 / 60 Hz
Output	1 c/o (SPDT) contact
Terminal Type	Screw Terminals
Rated Operational Current AC-12 ( $I_e$ )	(230 V) 6 A
Rated Operational Current AC-15 ( $I_e$ )	(230 V) 3 A
Rated Operational Current DC-12 ( $I_e$ )	(24 V) 6 A
Rated Operational Current DC-13 ( $I_e$ )	(24 V) 2 A
Rated Impulse Withstand Voltage ( $U_{imp}$ )	Input Circuit 4 kV
Rated Insulation Voltage ( $U_i$ )	Input Circuit / Output Circuit 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
Connecting Capacity	Flexible 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 1x 0.5 ... 4 mm <sup>2</sup> 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 TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715

Standards

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

### Technical UL/CSA

Maximum Operating Voltage UL/CSA	Output Circuit 300 V AC
Contact Rating UL/CSA	C300
Connecting Capacity UL/CSA	Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-16 AWG
Tightening Torque UL/CSA	4.43 ... 7.08 in-lb
Pilot Duty UL/CSA	C300
Flammability According to UL94	V-2

### Environmental

Ambient Air Temperature	Operation -20 ... +60 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m

### Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	No declaration needed
RoHS Information	1SVD981001-4401
RoHS Status	Following EU Directive 2011/65/EU
SCIP	e0aa1514-0d42-475c-8c46-21e2c4970894 Germany (DE)
Simplified SCIP	0dd50e51-ec2a-4655-aa55-c3cb27acd810 Norway (NO) 6a9d57eb-b859-4838-a2a0-5486170b745e Poland (PL) aaa85095-4ef8-40d1-8cc7-917bffa6b055 Finland (FI) e2fe8584-b001-45f5-a102-1eeeca507bb6 Belgium (BE) 4cd6b646-b567-4bdf-b53c-22c191a3ceb2 Portugal (PT) 89441edc-003b-4530-82b2-79b2c0bd1f70 Italy (IT) 4ec856b5-2d4d-43db-b7a5-4c3296f95094 Sweden (SE) 799b99bc-0fae-4fba-9a16-69190a34b828 Bulgaria (BG) 4efe53c7-09df-4a0c-a91a-4eab263c0fca Greece (GR) 4b3b946f-105f-407a-90bb-0ce0fe3a6739 Estonia (EE) 9348c477-d4ba-4a1b-8a2d-bf6bf231df3b Czech Republic (CZ) 83c0f73e-305e-46a8-be15-158f834b61cb Croatia (HR) ef970cfc-0ec0-43a3-8d19-7ffae88f0a7f Denmark (DK) 74e26912-0fbf-437f-800a-bbca2d11373f Germany (DE) c6f3272a-56e9-47a3-9308-105ecd29e9b6 Poland (PL) 95326808-0b44-4a46-83da-b6ec5066e4be Sweden (SE) 6ae784ea-130a-480d-bd0d-a3ef864ab338 France (FR) e3d09015-8b0c-4d32-97d5-fa4256a6231a Poland (PL) be2b7696-ecb6-4303-8d59-d908384f7c63 Hungary (HU) 2afdbe99-edb1-491d-b906-f0687aaa2a5b Netherlands (NL) f7b77236-0b1f-4dd4-809e-10c46217ed83 Hungary (HU) 347ffab-0756-45cb-908a-9f813117e73c Germany (DE) 406cdd50-1f38-4ac6-8231-706b0341bd08 Germany (DE) b1bf0c77-388e-4dfb-9718-5e257114e7f0 France (FR) a1b6efc3-a3af-4b14-b941-3f162477f7b1 Spain (ES) 3b167ba5-cba5-4545-ac82-fe4b9edbf04e Belgium (BE)

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**Circular Value**


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End of Life Instructions	1SAC200319H0001
Environmental Information	1SAC200264H0001

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**Certificates and Declarations**


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CCC Certificate	CCC_2019010303150608
CQC Certificate	CQC2019010303150608
cULus Certificate	cULus_20031209-E140448
Declaration of Conformity - CCC	2020980303000209
Declaration of Conformity - CE	1SVD981010-00
Declaration of Conformity - UKCA	1SVD981010-10
RMRS Certificate	RMRS_1740021250

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**Container Information**


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Package Level 1 Units	box 1 piece
Package Level 1 Width	89 mm
Package Level 1 Depth / Length	20 mm
Package Level 1 Height	65 mm
Package Level 1 Gross Weight	0.065 kg
Package Level 1 EAN	4013614350634

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**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)	2712639
E-Number (Sweden)	4033001

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## Categories

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

