



PRODUCT-DETAILS

CT-MBS.22S

CT-MBS.22S Time relay, multifunction 2c/o, 24-48VDC, 24-240VAC



General Information	
Extended Product Type	CT-MBS.22S
Product ID	1SVR730010R3200
EAN	4016779851374
Catalog Description	CT-MBS.22S Time relay, multifunction 2c/o, 24-48VDC, 24-240VAC
Long Description	The CT-MBS.22S is a multifunction electronic time relay from the CT-S timer range. It provides 10 timing functions with 10 time ranges from 0.05 s to 300 h. This time relay operates with a rated control supply voltage of 24 - 48 V DC / 24 - 240 V AC and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. A control input works with volt-free (floating) triggering. The CT-MBS.22S offers the possibility of connecting a remote potentiometer for the fine adjustment of the time delay. The second of the c/o contacts can be selected as an instantaneous contact. A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers screw connection technology with double-chamber cage connection terminals.

Ordering	
EAN	4016779851374
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Data Sheet, Technical Information	2CDC110004C0210_01
Instructions and Manuals	1SVC730050M1000 1SVC730050M0000
CAD Dimensional Drawing	2CDC001079B0201

Dimensions	
Product Net Width	22.5 mm
Product Net Height	85.6 mm
Product Net Depth / Length	103.7 mm
Product Net Weight	0.14 kg

Technical	
Function	Remote potentiometer connection
Timer Relay Type	Impulse OFF Impulse ON OFF-Delay ON-Delay Star-Delta
Time Range	0.05 s ... 300 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)	50 / 60 Hz DC
Output	2 c/o (SPDT) contacts
Terminal Type	Screw Terminals
Rated Operational Current AC-12 (I _e)	(230 V) 4 A
Rated Operational Current AC-15 (I _e)	(230 V) 3 A
Rated Operational Current DC-12 (I _e)	(24 V) 4 A
Rated Operational Current DC-13 (I _e)	(24 V) 2 A
Minimum Switching Capacity	12 V 100 mA
Rated Impulse Withstand Voltage (U _{imp})	Input Circuit 4 kV Output Circuit 1 / Output Circuit 2 4 kV
Rated Insulation Voltage (U _i)	Input Circuit / Output Circuit 500 V Output Circuit 1 / Output Circuit 2 300 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
Electrical Durability	AC-12 100000 cycle
Mechanical Durability	Nr. Operations 30000000 cycle
Connecting Capacity	Flexible with Ferrule 1x 0.5 ... 2.5 mm ²

	Flexible with Ferrule 2x 0.5 ... 1.5 mm ²
	Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm ²
	Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ²
	Flexible 1x 0.5 ... 2.5 mm ²
	Flexible 2x 0.5 ... 1.5 mm ²
	Rigid 1x 0.5 ... 4 mm ²
	Rigid 2x 0.5 ... 2.5 mm ²
Tightening Torque	0.6 ... 0.8 N·m
Wire Stripping Length	8 mm
Recommended Screw Driver	4.5 0.8 x 4 Pozidriv 1
Mounting Position	1 ... 6
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 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	B300
Connecting Capacity UL/CSA	Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 2x 20-14 AWG Rigid 1x 20-12 AWG
Tightening Torque UL/CSA	7.08 in·lb
Pilot Duty UL/CSA	B300
Flammability According to UL94	V-0

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C 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 and Amendment 2015/863 July 22, 2019
SCIP	f72350fe-6a18-4576-b197-5dce65b2f1c7 Germany (DE)
Simplified SCIP	7f94c8a6-66ee-43d0-9c0e-cae51b1ad701 Bulgaria (BG) fcce513b-4304-49be-aaad-1bf4a1363a80 Poland (PL) 87dba919-7496-4608-b1a1-d5458336dc47 Estonia (EE) d81b2c4f-aa4c-439e-a9d0-baac19df9162 Norway (NO) 0bdaf40f-e4ca-4578-a56d-d4ce5a00fdef Croatia (HR) 591a0358-2e14-4c03-9460-bd7cc64954b4 Sweden (SE) 6db03829-9166-4e48-82ea-0e7817e846ca Sweden (SE) 2d2f0a33-50fa-4c61-a9c1-dbadee190c81 France (FR) 1b50babe-3f0a-4b68-9664-5542b1f9cbf9 Spain (ES)

e5a0887f-7383-46f0-91fc-d5904f767853	Portugal (PT)
71de6ceb-107f-4b6d-acc8-b49b246eb0c5	Hungary (HU)
8bd8e6c7-33c3-4a36-9ab4-c3c538cd1c6d	Czech Republic (CZ)
8974e6f2-a3cf-46d7-a7da-3a0c5e5369be	Poland (PL)
eb16c8c3-46f6-47dd-8e00-40f9055a3121	Netherlands (NL)
696008ce-5096-4ffe-88e2-089739ebc276	Greece (GR)
b20d66ec-bdad-42ad-96c2-45d88ee5467d	Belgium (BE)
99e7e631-4654-4bcb-a04d-a638313c63e2	Germany (DE)
5952038e-2d49-46d5-8175-03c35688bc3d	Germany (DE)
7b6c2b65-5160-470b-9db0-084b2b68912b	Denmark (DK)
494f7550-6373-4d74-8405-84a2ff6940b7	Italy (IT)
e3ec83eb-e297-4ddb-b8e9-90c48fdcfa32	Germany (DE)
20677776-1879-48d8-9832-7c83d3fcf171	Finland (FI)
74abf336-4bf4-4aa6-bf24-e856ce943b16	Poland (PL)
c06f2bb4-46df-4152-9818-9dffa8ceef75	France (FR)
6acd9ae4-72f0-47ce-bddb-80d49fb82ca4	Germany (DE)
1b0d3538-3d3c-46ba-a460-6d3aa5950062	Hungary (HU)
ecd1eb3b-e35e-418f-8b32-ff9ac1e502c8	Belgium (BE)
Toxic Substances Control Act - TSCA	2CMT2023-006536

Certificates and Declarations

CQC Certificate	CQC2007010303255979
cULus Certificate	cULus508_20110711-E140448A
Declaration of Conformity - CCC	2020980303000207
Declaration of Conformity - CE	1SVD981008
Declaration of Conformity - UKCA	1SVD981008-10
DNV GL Certificate	DNV_GL_TAA00000XR
RMRS Certificate	RMRS_1740021250

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	97 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Height	109 mm
Package Level 1 Gross Weight	0.162 kg
Package Level 1 EAN	4016779851374

External Classifications and Standards

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)	2712195
E-Number (Norway)	4187940
E-Number (Sweden)	4033144

Categories

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

