



**Electric Automation**  
Automation specialists

Reference: CT-MBS.22S  
Code: 1SVR730010R3200

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

Buy it at [Electric Automation Network](#)



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

### Container Information

Package Level 1 Units:	1 piece
Package Level 1 Width:	97 mm
Package Level 1 Length:	30 mm
Package Level 1 Height:	109 mm
Package Level 1 Gross Weight:	0.162 kg

## Dimensions

Product Net Width:	22.5 mm
Product Net Height:	85.6 mm
Product Net Depth:	103.7 mm
Product Net Weight:	0.14 kg

## Technical

Timer Relay Type:	Multifunction ON-Delay OFF-Delay Impulse-ON Impulse-OFF ON- and OFF-Delay Flasher Starting with ON Flasher Starting with OFF Star-Delta Pulse Generator
Time Range:	0.05 s - 300 h
Rated Control Supply Voltage ( $U_s$ ):	24 ... 240 V AC 24 ... 48 V DC
Rated Frequency (f):	50 Hz 60 Hz DC Hz
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 10 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:	30000000 cycle

Connecting Capacity:	Flexible with Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> 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 ... 2.5 mm <sup>2</sup>
Tightening Torque:	0.6 ... 0.8 N·m
Wire Stripping Length:	8 mm
Mounting Position:	Any
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:	IEC 61812-1 EN 61812-1 + A11 DIN VDE 0435 part 2021

## Environmental

Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +85 °C
RoHS Status:	Following EU Directive 2002/95/EC August 18, 2005 and amendment

## 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 1x 20 ... 12 AWG Rigid 2x 20 ... 14 AWG
Tightening Torque UL/CSA:	7.08 in·lb

## Certificates and Declarations (Document Number)

CB Certificate:	CB_DK-5903-M1
CCC Certificate:	CCC_2007010303255979_for_1SVR7
cULus Certificate:	cULus508_20110711-E140448A
Declaration of Conformity - CE:	1SAD938502-0201
EAC Certificate:	EAC_RU_C-DE.ME77.B.02016
GL Certificate:	GL_36671-11HH
GOST Certificate:	GOST_POCC_DE.AB76.D02256
RMRS Certificate:	RMRS_12.04010.250
RoHS Information:	1SAA981055-4401

## Classifications

Object Classification Code:	K
E-nummer:	4033144
ETIM 4:	EC001439 - Timer relay
ETIM 5:	EC001439 - Timer relay
eClass:	7.0 27371790