

## General Information

<b>Extended Product Type:</b>	CT-MBS.22S
<b>Product ID:</b>	1SVR730010R3200
<b>EAN:</b>	4016779851374
<b>Catalog Description:</b>	CT-MBS.22S Time relay, multifunction 2c/o, 24-48VDC, 24-240VAC
<b>Long Description:</b>	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.

## Additional Information

<b>Ambient Air Temperature:</b>	Operation -25 ... +60 °C Storage -40 ... +85 °C
<b>Analog Inputs:</b>	1
<b>CB Certificate:</b>	CB_DK-5903-M1
<b>CCC Certificate:</b>	CCC_2007010303255979
<b>Connecting Capacity:</b>	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>
<b>Connecting Capacity UL/CSA:</b>	Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-14 AWG
<b>Contact Rating UL/CSA:</b>	B300
<b>Country of Origin:</b>	Germany (DE)
<b>Customs Tariff Number:</b>	85364900
<b>Data Sheet, Technical Information:</b>	2CDC111120D0201
<b>Declaration of Conformity - CE:</b>	1SVD981008-0000
<b>Degree of Protection:</b>	Housing IP50 Terminals IP20
<b>E-nummer:</b>	4033144
<b>EAC Certificate:</b>	EAC_RU_C-DE.ME77.B.02016
<b>EAN:</b>	4016779851374
<b>EPLAN Catalog Tree:</b>	Electrical engineering / Relays, contactors / General
<b>EPLAN Function Definition:</b>	Coil / Coil, 2 connection points / Coil, multi-function relay A1_A2 Change-over contact / Change-over contact, 3 connection points / Change-over auxiliary contact 16_15_18 Change-over contact / Change-over contact, 3 connection points / Change-over auxiliary contact 22_21_24
<b>ETIM 4:</b>	EC001439 - Timer relay
<b>ETIM 5:</b>	EC001439 - Timer relay
<b>ETIM 6:</b>	EC001439 - Timer relay

Electrical Durability:	AC-12 100000 cycle
Environmental Information:	1SAA981016-2401
Instructions and Manuals:	1SVC730010M0000
Invoice Description:	CT-MBS.22S Time relay, multifunction 2c/o, 24-48VDC, 24-240VAC
Maximum Operating Voltage UL/CSA:	Output Circuit 300 V AC
Mechanical Durability:	30000000 cycle
Minimum Order Quantity:	1 piece
Minimum Switching Capacity:	12 V 10 mA
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
Number of Digital Inputs:	2
Object Classification Code:	K
Output:	2 c/o (SPDT) contacts
Overvoltage Category:	III
Package Level 1 EAN:	4016779851374
Package Level 1 Gross Weight:	0.162 kg
Package Level 1 Height:	109 mm
Package Level 1 Length:	30 mm
Package Level 1 Units:	1 piece
Package Level 1 Width:	97 mm
Pollution Degree:	3
Power Loss:	Approximately 2 W
Product Main Type:	CT-MBS
Product Name:	Time Relay
Product Net Depth:	103.7 mm
Product Net Height:	85.6 mm
Product Net Weight:	0.14 kg
Product Net Width:	22.5 mm
RMRS Certificate:	RMRS_1740021250
Rated Control Supply Voltage (U <sub>s</sub> ):	24 ... 240 V AC 24 ... 48 V DC
Rated Frequency (f):	50 Hz 60 Hz DC Hz
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	Input Circuit 4 kV Output Circuit 1 / Output Circuit 2 4 kV
Rated Insulation Voltage (U <sub>i</sub> ):	Input Circuit / Output Circuit 500 V Output Circuit 1 / Output Circuit 2 300 V
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) 2 A
Regulatory Compliance Mark (RCM):	Yes
RoHS Date:	1146
RoHS Information:	1SVD981001-4400
RoHS Status:	Following EU Directive 2011/65/EC
Selling Unit of Measure:	piece
Short Description:	CT-MBS.22S Time relay, multifunction

Short-Circuit Protective Devices:	Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
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Standards:	IEC/EN 61812-1 UL 508 CAN/CSA C22.2 No.14
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Terminal Type:	Screw Terminals
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Tightening Torque:	0.6 ... 0.8 N·m
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Tightening Torque UL/CSA:	7.08 in·lb
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Time Range:	0.05 s - 300 h
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Timer Relay Type:	ON-Delay OFF-Delay Impulse ON Impulse OFF Flasher with Reset, Starting with ON Flasher with Reset, Starting with OFF Pulse Former ON / OFF Function Symmetrical ON- and OFF-Delay Flasher Starting with ON or OFF Accumulative ON-Delay Star-Delta
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Wire Stripping Length:	8 mm
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cULus Certificate:	cULus508_20110711-E140448A
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eClass:	7.0 27371790
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DNV GL Certificate:	DNV_GL_TAA00000XR
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