



**Electric Automation**  
Automation specialists

Reference: CM-TCS.22P  
Code: 1SVR740740R9200

CM-TCS.22P Temperature monitoring relay  
Temp.-range 0...+100°C, 24VAC/DC

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CM-TCS.22P Temperature monitoring relay Temp.-range 0...+100°C, 24VAC/DC

### Ordering

EAN:	4016779852814
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 Height:	109 mm
Package Level 1 Length:	30 mm
Package Level 1 Gross Weight:	0.152 kg

### Dimensions

Product Net Width:	22.5 mm
Product Net Depth:	103.7 mm
Product Net Height:	85.6 mm
Product Net Weight:	0.127 kg

## Technical

Function:	Overtemperature monitoring Undertemperature monitoring Over- and undertemperature monitoring 1 sensor circuit Short-circuit detection
Measuring Range:	0 ... +100 °C
Rated Control Supply Voltage (U <sub>s</sub> ):	24 V AC/DC
Output:	2 x 1 c/o or 1 x 2 c/o contacts, configurable
Terminal Type:	Screwless 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) 2 A
Minimum Switching Capacity:	24 V 10 mA
Rated Impulse Withstand Voltage (U <sub>imp</sub> ):	Input Circuit 6 kV Output Circuit 4 kV
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
Connecting Capacity:	Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 2x 0.5 ... 1.5 mm <sup>2</sup>
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/EN 60255-1 IEC/EN 60255-27 EN 50178

## Environmental

Ambient Air Temperature:	Operation -40 ... +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 2x 18 ... 16 AWG Rigid 2x 20 ... 16 AWG

## Certificates and Declarations (Document Number)

CCC Certificate:	CCC_2007010303243843.pdf
cULus Certificate:	cULus508_20120830-E140448
Declaration of Conformity - CE:	1SAD938500-0206
EAC Certificate:	EAC_RU_C-DE.ME77.B.01012
GL Certificate:	GL_60466-13HH
RoHS Information:	1SAA981059-4401

## Classifications

Object Classification Code:	B
E-nummer:	3860673
ETIM 4:	EC001446 - Temperature monitoring relay
ETIM 5:	EC001446 - Temperature monitoring relay
eClass:	7.0 27371810