



**Automatización Eléctrica**

Especialistas en Automatización

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## General Information

<b>Extended Product Type:</b>	CM-ENS.23S
<b>Product ID:</b>	1SVR730850R2200
<b>EAN:</b>	4013614502897
<b>Catalog Description:</b>	CM-ENS.23S Liquid level monitoring relay 1c/o, sensitivity 0.1-1000kOhm
<b>Long Description:</b>	The CM-ENS.23S belongs to the CM liquid level monitoring relay range. It operates with a rated control supply voltage of 110-130 V AC and 220-240 V AC and has a 1 c/o (SPDT) output with contacts rated at 250 V / 4 A. It monitors liquid levels of conductive fluids and protects pumps against dry running or tanks against overflow. The working principle as well as the sensitivity can be selected via front-face potentiometers. Several electrodes and a sealable transparent cover for protection against unauthorized changes are available as accessory. The device offers screw connection technology with double-chamber cage connection terminals.

## Categories

Products » Low Voltage Products and Systems » Control Products » Electronic Relays and Controls » Liquid Level Monitors and Controls

## Ordering

<b>EAN:</b>	4013614502897
<b>Minimum Order Quantity:</b>	1 piece
<b>Customs Tariff Number:</b>	85364900

## Dimensions

<b>Product Net Width:</b>	22.5 mm
<b>Product Net Height:</b>	85.6 mm
<b>Product Net Depth:</b>	103.7 mm
<b>Product Net Weight:</b>	0.154 kg

## Container Information

<b>Package Level 1 Units:</b>	1 piece
<b>Package Level 1 Width:</b>	97 mm
<b>Package Level 1 Height:</b>	109 mm
<b>Package Level 1 Length:</b>	30 mm
<b>Package Level 1 Gross Weight:</b>	0.179 kg

## Technical

<b>Function:</b>	Filling or draining monitoring
<b>Rated Control Supply Voltage (<math>U_s</math>):</b>	110 ... 130 V AC 220 ... 240 V AC
<b>Output:</b>	1 c/o (SPDT) contact
<b>Terminal Type:</b>	Screw Terminals
<b>Rated Operational Current AC-12 (<math>I_e</math>):</b>	(230 V) 4 A
<b>Rated Operational Current AC-15 (<math>I_e</math>):</b>	(230 V) 3 A
<b>Rated Operational Current DC-12 (<math>I_e</math>):</b>	(24 V) 4 A
<b>Rated Operational Current DC-13 (<math>I_e</math>):</b>	(24 V) 2 A
<b>Minimum Switching Capacity:</b>	12 V 10 mA
<b>Rated Insulation Voltage (<math>U_i</math>):</b>	300 V
<b>Rated Impulse Withstand Voltage (<math>U_{imp}</math>):</b>	4 kV
<b>Degree of Protection:</b>	Housing IP50 Terminals IP20
<b>Overvoltage Category:</b>	III
<b>Pollution Degree:</b>	3
<b>Short-Circuit Protective Devices:</b>	Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
<b>Electrical Durability:</b>	AC-12 100000 cycle
<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>Tightening Torque:</b>	0.6 ... 0.8 N·m
<b>Wire Stripping Length:</b>	8 mm
<b>Mounting Position:</b>	Any
<b>Mounting on DIN Rail:</b>	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
<b>Standards:</b>	IEC/EN 60255-1 IEC/EN 60255-27 IEC/EN 60947-5-1

## Environmental

<b>Ambient Air Temperature:</b>	Operation -25 ... +60 °C Storage -40 ... +85 °C
<b>RoHS Status:</b>	Following EU Directive 2011/65/EC

## Technical UL/CSA

<b>Maximum Operating Voltage UL/CSA:</b>	Output Circuit 300 V AC
<b>Contact Rating UL/CSA:</b>	B300
<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>Tightening Torque UL/CSA:</b>	7.08 in·lb

## Certificates and Declarations (Document Number)

<b>CCC Certificate:</b>	CCC_2015010303819793
<b>cULus Certificate:</b>	cULus508_20150627-E140448
<b>Declaration of Conformity - CE:</b>	1SAD938501-0227
<b>EAC Certificate:</b>	EAC_RU_C-DE.ME77.B.02330
<b>RoHS Information:</b>	1SAA981073-4402

## Classifications

<b>Object Classification Code:</b>	B
<b>ETIM 5:</b>	EC001447 - (Fill) level monitoring relay
<b>eClass:</b>	7.0 27371813





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Product	Code	Reference	Product link
CM-ENS.23S Liquid level monitoring relay 1c/o, sensitivity 0.1-1000kOhm	1SVR730850R2200	CM-ENS.23S	<a href="#">Buy on EAN</a>