

PRODUCT-DETAILS

CM-ENS.13S

CM-ENS.13S Liquid level monitoring relay 1c/o, sensitivity 5-100kOhm



Información General

Tipo de producto extendido	CM-ENS.13S
Código de producto	1SVR730850R2100
EAN	4013614502903
Descripción corta	CM-ENS.13S Liquid level monitoring relay 1c/o, sensitivity 5-100kOhm
Descripción larga	The CM-ENS.13S 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 and works according to the open-circuit principle. 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.

Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85364900

Descargas Populares

Ficha técnica, información técnica	2CDC112228D0201
Instrucciones y manuales	1SVC730680M0000

Dimensiones

Ancho del product	22.5 mm
Alto del producto	85.6 mm
Largo del product	103.7 mm
Peso del product	0.153 kg

Technical

Function	Filling or draining monitoring
Measuring Range	5 ... 100 kΩ
Number of Electrodes	3
Rated Control Supply Voltage (U_s)	110 ... 130 V AC 220 ... 240 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz
Output	1 c/o (SPDT) contact
Terminal Type	Screw Terminals
Rated Operational Current AC-12 (I_{θ})	(230 V) 4 A
Rated Operational Current AC-15 (I_{θ})	(230 V) 3 A
Rated Operational Current DC-12 (I_{θ})	(24 V) 4 A
Rated Operational Current DC-13 (I_{θ})	(24 V) 2 A
Minimum Switching Capacity	12 V 10 mA
Rated Insulation Voltage (U_i)	Measuring Circuit / Output Circuit 300 V Output Circuit 1 / Output Circuit 2 300 V Supply Circuit / Measuring Circuit 300 V Supply Circuit / Output Circuit 300 V
Rated Impulse Withstand Voltage (U_{imp})	Measuring Circuit / Output Circuit 4 kV Output Circuit 1 / Output Circuit 2 4 kV Supply Circuit / Measuring Circuit 4 kV Supply Circuit / Output Circuit 4 kV
Grado de protección	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	1000000 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 Control Circuit 0.9 N·m Main Circuit 1 N·m
Wire Stripping Length	8 mm Main Circuit 10 mm
Recommended Screw Driver	Pozidriv 1 4.5 0.8 x 4
Mounting Position	1 ... 5; 1 ... 6
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

CAN/CSA C22.2 No.14
IEC/EN 63000
IEC/EN 60255-27
IEC/EN 61000-6-2
IEC/EN 61000-6-3
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 1x 20-12 AWG Rigid 2x 20-14 AWG
Tightening Torque UL/CSA	7.08 in·lb
Pilot Duty UL/CSA	B300

Ambiente

Temperatura ambiente	Funcionamiento -25 ... +60 °C Almacenamiento -40 ... +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m
RoHS Status	Following EU Directive 2011/65/EU

Certificados y Declaraciones (Número de Documento)

CQC Certificate	CQC2015010303819793
cULus Certificate	cULus508_20150627-E140448
Declaration of Conformity - CCC	2020980303000198
Declaración de conformidad - CE	1SVD981005-00
Declaration of Conformity - UKCA	1SVD981005-10
DNV GL Certificate	DNV_GL_TAA00000RW
EAC Certificate	EAC_RU_C-DE.ME77.B.02330
Instrucciones y manuales	1SVC730680M0000
RoHS Information	1SVD981005-00

Información de Embalaje

Embalaje Nivel 1 Unidades	box 1 piece
Embalaje Nivel 1 Ancho	97 mm
Embalaje Nivel 1 Alto	109 mm
Embalaje Nivel 1 Largo	30 mm
Embalaje Nivel 1 Peso	0.177 kg
Embalaje Nivel 1 EAN	4013614502903

Clasificaciones

Object Classification Code	B
ETIM 5	EC001447 - (Fill) level monitoring relay

ETIM 6	EC001447 - (Fill) level monitoring relay
ETIM 7	EC001447 - (Fill) level monitoring relay
eClass	V11.0 : 27371813
E-Number (Finland)	2712569

Categorías

Productos y sistemas de baja tensión → Aparatos de control → Relés electrónicos → Liquid Level Monitors and Controls → CM-Enx

