

PRODUCT-DETAILS

## CM-MPS.31S

### CM-MPS.31S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x160-300VAC



#### Información General

Tipo de producto extendido	CM-MPS.31S
Código de producto	1SVR730884R1300
EAN	4016779851855
Descripción corta	CM-MPS.31S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x160-300VAC
Descripción larga	<p>The CM-MPS.31S is a multifunctional relay from the CM three-phase monitors range. It operates with a rated control supply voltage / three-phase measuring voltage of 160-300 V AC 50/60 Hz and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. This relay monitors all phase parameters such as over/undervoltage, phase unbalance and phase failure. The corresponding threshold values are adjustable. Phase sequence monitoring as well as an ON or OFF tripping delay are selectable. The tripping delay is adjustable over a range of instantaneous to 30 s (0, 0.1-30 s). 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.</p>

#### Clasificación

Cantidad mínima de pedido	1 piece
Código arancelario	85364900

#### Descargas Populares

Ficha técnica, información técnica	2CDC112205D0201
Instrucciones y	1SVC730510M1001

manuales

## Dimensiones

Ancho del product	22.5 mm
Largo del product	103.7 mm
Alto del producto	85.6 mm
Peso del product	0.142 kg

## Technical

Function	Phase failure detection Phase sequence monitoring Over- and undervoltage monitoring Phase unbalance detection
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
Measuring Range	(L-L) 160 ... 300 V AC
Rated Control Supply Voltage (U <sub>s</sub> )	(L-L) 160 ... 300 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz
Output	2 c/o (SPDT) contacts
Time Range	200 ms start-up delay 0 s or 0.1 ... 30 s tripping delay (ON or OFF)
Terminal Type	Screw 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 Insulation Voltage (U <sub>i</sub> )	Input Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 V
Rated Impulse Withstand Voltage (U <sub>imp</sub> )	Input Circuit 6 kV 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	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
Recommended Screw	Pozidriv 1

Driver	4.5 0.8 x 4
Mounting Position	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

## 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

## 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

## Certificados y Declaraciones (Número de Documento)

CB Certificate	CB_DK-27947-UL
CQC Certificate	CQC2009010303326655
cULus Certificate	cULus508_20120829-E140448
Declaration of Conformity - CCC	2020980303000197
Declaración de conformidad - CE	1SVD981014-00
Declaration of Conformity - UKCA	1SVD981014-10
DNV GL Certificate	DNV_GL_TAA000017D
EAC Certificate	EAC_RU_C-DE.ME77.B.03424
Instrucciones y manuales	1SVC730510M1001
RoHS Information	1SVD981014-00

## 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	0.167 kg
Embalaje Nivel 1 EAN	4016779851855

## Clasificaciones

Object Classification Code	B
ETIM 4	EC001441 - Phase monitoring relay

ETIM 5	EC001441 - Phase monitoring relay
ETIM 6	EC001441 - Phase monitoring relay
ETIM 7	EC001441 - Phase monitoring relay
eClass	V11.0 : 27371803
UNSPSC	39121536
E-Number (Finland)	2712276
E-Number (Sweden)	3860586

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## Categorías

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Productos y sistemas de baja tensión → Aparatos de control → Relés electrónicos → Three Phase Monitors

