

CM-MPS.21S

General Information

Extended Product Type:	CM-MPS.21S
Product ID:	1SVR730885R3300
EAN:	4016779851893
Catalog Description:	CM-MPS.21S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3-N=3x180-280VAC
Long Description:	The CM-MPS.21S is a multifunctional relay from the CM three-phase monitors range. It operates with a rated control supply voltage / three-phase measuring voltage of 180-280 V AC 50/60 Hz and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. This relay is also suitable to monitor single-phase mains. It monitors all phase parameters such as over/undervoltage, phase unbalance, phase failure as well as an interrupted neutral. 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.

Categories

Products » Low Voltage Products and Systems » Control Products » Electronic Relays and Controls » Three Phase Monitors

Ordering

Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information:	2CDC112206D0201
Instructions and Manuals:	1SVC730520M0000

Dimensions

Product Net Width:	22.5 mm
Product Net Depth / Length:	103.7 mm
Product Net Height:	85.6 mm
Product Net Weight:	0.146 kg

Technical

Function:	Phase failure detection Phase sequence monitoring Over- and undervoltage monitoring Phase unbalance detection Interrupted neutral monitoring
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Standards:

CAN/CSA C22.2 No.14
 EN 50581
 IEC/EN 60255-27
 IEC/EN 61000-6-2
 IEC/EN 61000-6-3
 UL 508

Measuring Range:	(L-N) 180 ... 280 V AC
Rated Control Supply Voltage (U_s):	(L-N) 180 ... 280 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_e):	(230 V) 4 A
Rated Operational Current AC-15 (I_e):	(230 V) 3 A
Rated Operational Current DC-12 (I_e):	(24 V) 4 A
Rated Operational Current DC-13 (I_e):	(24 V) 2 A
Minimum Switching Capacity:	24 V 10 mA
Rated Insulation Voltage (U_i):	Input Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 V
Rated Impulse Withstand Voltage (U_{imp}):	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
Mechanical Durability:	30000000 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
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

Environmental

Ambient Air Temperature: Operation -25 ... +60 °C
Storage -40 ... +85 °C

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

Certificates and Declarations (Document Number)

CB Certificate: [CB_DK-27947-UL](#)

CCC Certificate: [CCC_2009010303326655](#)

cULus Certificate: [cULus508_20120829-E140448](#)

Declaration of Conformity - CE: [1SVD981014-0002](#)

DNV GL Certificate: [DNV_GL_TAA000017D](#)

EAC Certificate: [EAC_RU_C-DE.ME77.B.03424](#)

Environmental Information: [1SAA981020-2401](#)

Instructions and Manuals: [1SVC730520M0000](#)

RMRS Certificate: [RMRS_1740020250](#)

RoHS Information: [1SVD981014-0002](#)

Container Information

Package Level 1 Units: 1 piece

Package Level 1 Width: 97 mm

Package Level 1 Height: 109 mm

Package Level 1 Depth / Length: 30 mm

Package Level 1 Gross Weight: 0.171 kg

Package Level 1 EAN: 4016779851893

Classifications

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: 7.0 27371803

UNSPSC: 39121536

E-Number (Sweden): 3860590



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