PRODUCT-DETAILS

CM-MPS.11S

CM-MPS.11S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3-N=3x90-170VAC



General Information

Extended Product Type	CM-MPS.11S
Product ID	1SVR730885R1300
EAN	4016779851886
Catalog Description	CM-MPS.11S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3-N=3x90-170VAC
Long Description	The CM-MPS.11S is a multifunctional relay from the CM three-phase monitors range. It operates with a rated control supply voltage / three-phase measuring voltage of 90-170 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.

Ordering

EAN	4016779851886
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

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Popular Downloads

Data Sheet, Technical Information	2CDC112205D0201
Instructions and Manuals	1SVC730730M1000 1SVC730730M0000
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	22.5 mm
Product Net Height	85.6 mm
Product Net Depth / Length	103.7 mm
Product Net Weight	0.148 kg

Technical

Function	Over- and undervoltage monitoring Phase failure detection Phase unbalance detection Phase sequence monitoring Interrupted neutral monitoring
Measuring Range	(L-N) 90 ... 170 V AC
Time Range	0 s or 0.1 ... 30 s tripping delay (ON or OFF) 200 ms start-up delay
Rated Control Supply Voltage (U_s)	(L-N) 90 ... 170 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz
Output	2 c/o (SPDT) contacts
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 Impulse Withstand Voltage (U_{imp})	Input Circuit 6 kV Output Circuit 4 kV
Rated Insulation Voltage (U_i)	Input Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 V
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 mm² Flexible with Ferrule 2x 0.5 ... 1.5 mm² Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm² Flexible 1x 0.5 ... 2.5 mm² Flexible 2x 0.5 ... 1.5 mm² Rigid 1x 0.5 ... 4 mm² Rigid 2x 0.5 ... 2.5 mm²
Tightening Torque	0.6 ... 0.8 N·m
Wire Stripping Length	8 mm

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Recommended Screw Driver	4.5 0.8 x 4 Pozidriv 1
Mounting Position	1 ... 6
Mounting on DIN Rail	TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 TH35-15 (35 x 15 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 2x 20-14 AWG Rigid 1x 20-12 AWG
Tightening Torque UL/CSA	7.08 in·lb
Pilot Duty UL/CSA	B300
Flammability According to UL94	V-0

Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m

Material Compliance

Conflict Minerals Reporting Template (CMRT)	9AKK108467A5658
REACH Declaration	1SVD981001-4501
RoHS Information	1SVD981001-4401
RoHS Status	Following EU Directive 2011/65/EU
SCIP	133c1038-af3c-449b-ad3a-6fb13bdd9bf2 Germany (DE)
Simplified SCIP	bbba6c77-37e9-47ef-9a08-076853feace6 Belgium (BE) 751cc9e8-4db1-4301-aa0f-b67df622f4bb Spain (ES) ba4182af-9494-48cf-b5fe-0aa94d49a7c1 Hungary (HU) ce808e8a-1a63-4153-8303-40d69c94df31 Poland (PL) b5729d47-85cc-49ea-863f-1a95c5224ba7 Germany (DE) 383a077b-d6a6-4cb1-aaa2-a50b8d7b7abd Netherlands (NL) 56dc6008-8abb-481c-83d6-69909fa74797 Hungary (HU) b6d11e6b-a6e8-4cf4-8cb4-f1719e31de00 Greece (GR) de6f6412-f2c4-4133-8b41-5957d33f3714 Portugal (PT) f336b43c-8182-4e9a-b084-828354353d9b Bulgaria (BG) 2edd8143-d2e5-4d7c-a1d5-2d1b455bb3cb Sweden (SE) ed3cd28b-6b66-4996-a718-c1e0d2dee7a7 Sweden (SE) 1fb03dd8-af08-415e-bd0a-1b17dedaea9a Germany (DE) 34123c50-bd07-4659-8991-a457c713318c Poland (PL) ef14e892-1b5d-45f3-902e-d08f3b6f7053 France (FR) 9fd4ec98-6e73-4894-92f5-4985e68027ba France (FR) 9e2d7c60-cb94-4c05-b7d4-91df1942c2fb Italy (IT) b904fe3e-b10b-4ed7-bbfd-266ae8991e14 Estonia (EE) e20dca0a-d1a3-4121-a0c0-221d2aa3ef47 Czech Republic (CZ) 4b85c491-293d-407d-993f-abebf73dae4e Germany (DE) 54c18b36-fa35-4367-9150-2a1ff54937a7 Croatia (HR) a6a041bb-7ef4-443e-821c-ba648ab8e964 Norway (NO) c3b3fac9-646e-4491-b49e-ad5d9178c351 Belgium (BE) 7b2fedec-e122-4aee-9ce4-6c2f781f8b13 Germany (DE)

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	c23a31c4-c3fd-46a5-b716-f3a696814c98 Finland (FI) d4c4b18f-7098-4d4d-a011-51e0331a7a9d Poland (PL) f9736f57-02a6-40d8-8c5b-ed160b1acb0a Denmark (DK)
Toxic Substances Control Act - TSCA	2CMT2023-006536

Circular Value

End of Life Instructions	1SAC200290H0001

Certificates and Declarations

CB Certificate	CB_DK-27947-UL
CQC Certificate	CQC2009010303326655
cULus Certificate	cULus508_20120829-E140448
Declaration of Conformity - CCC	2020980303000197
Declaration of Conformity - CE	1SVD981014-00
Declaration of Conformity - UKCA	1SVD981014-10
DNV GL Certificate	DNV_GL_TAA000017D

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	97 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Height	109 mm
Package Level 1 Gross Weight	0.173 kg
Package Level 1 EAN	4016779851886

Classifications

Object Classification Code	B
ETIM 7	EC001441 - Phase monitoring relay
ETIM 8	EC001441 - Phase monitoring relay
ETIM 9	EC001441 - Phase monitoring relay
eClass	V11.0 : 27371803
UNSPSC	39122332
E-Number (Finland)	2712270
E-Number (Norway)	4188130
E-Number (Sweden)	3860589

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Categories

Low Voltage Products and Systems → Control Products → Electronic Relays and Controls → Three Phase Monitors
Medium Voltage Products and Systems → Service → Spares and Consumables → Parts → All Spare Parts (Relays-SWG-CB)



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