



 PRODUCT-DETAILS

CM-MPS.21S

CM-MPS.21S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3-N=3x180-280VAC



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:	<p>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.</p>
Display Name:	CM-MPS.21S

Ordering

EAN:	4016779851893
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Minimum Order Quantity:	1 piece
Customs Tariff Number:	85364900

Popular Downloads

Data Sheet, Technical Information:	2CDC112206D0201
Instructions and Manuals:	1SVC730730M1000 1SVC730730M0000
CAD Dimensional Drawing:	2CDC001079B0201
EPLAN Data:	9AAC132608_EPLAN

Dimensions

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

Technical

Function:	Over- and undervoltage monitoring Phase failure detection Phase unbalance detection Phase sequence monitoring Interrupted neutral monitoring
Measuring Range:	(L-N) 180 ... 280 V AC
Time Range:	Tripping Delay (ON or OFF) 0 s
Rated Control Supply Voltage (U_s):	(L-N) 180 ... 280 V AC
Rated Frequency (f):	Supply Circuit 50/60 Hz
Output:	2 C/O 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:	Nr. Operations 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
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 Declaration:	1SVD981001-4401
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
SCIP:	eca471ea-b2ec-42a3-a10d-98ecd0c53f85 Germany
Simplified SCIP:	10940a4a-e940-4cb4-ab1a-14fa0ca5d858 Finland 6c9668f9-700c-4253-94bb-447f49479950 Bulgaria 2a085096-4e94-4ec3-beed-fa4546cd11ce Germany d775775a-b045-470e-b14d-d02a1569f386 France 3baf56c9-183b-4af5-96dd-f295b02b612b Belgium 6f35dfe6-5cb0-4ceb-804f-cd0f88553cf1 Hungary 908b5687-8ae8-4dec-a612-c87d194295e1 Portugal 9812ee27-0ec8-4d3b-9af7-ec11d2c0e745 Spain 6b52f8db-a754-4834-bd77-f23da8c521dc Sweden ced1c277-2ab0-476e-9009-69c57b1c56ec France 387fe0a5-5087-4437-900a-1e56e10080e5 Belgium cc119799-5e6b-4c26-91df-e2720ad644a7 Hungary fba9cca7-aa0c-42d8-9355-255eb8c0c279 Germany 1a5edcf2-b120-4c20-93a6-74da1d7751dd Poland 54db8fa0-c077-481a-9271-59fdbeae141b Denmark 989a969e-61ba-4676-8324-a392a41454a1 Czechia 9fb297f2-f95a-4142-b180-799094d1462d Germany c8742e04-7769-46c7-aa2a-386a3b27ad0b Netherlands 70a40233-c45e-4bb3-a847-1e303a6ace18 Germany 1e5d7778-a702-4565-bdaf-9cd6988e05a2 Italy 9ecb932a-f3b1-4f09-9b92-55ddc37bbc08 Croatia 075ab626-1a3a-44bb-a7cf-115b7e8d66ad Norway 69e65afe-7e9e-4d2a-9e87-354fb67d26ba Poland 3c53ecec-aa37-4f52-94a3-16643936547b Estonia 20c0b904-4dc3-4f79-bf25-8466e75c6d63 Poland c35e213a-4a38-4ad2-b45c-f5e3b8472e04 Sweden edf05874-9a61-4c68-8689-9f052b0ef195 Greece
Toxic Substances Control Act - TSCA:	2CMT2023-006536

ABB EcoSolutions

ABB EcoSolutions:	Yes
Environmental Product Declaration - EPD:	1SAC200438H0001

Certificates and Declarations

CB Certificate:	CB_DK-27947-UL
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:	0.171 kg
Package Level 1 EAN:	4016779851893

External Classifications and Standards

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):	2712272
E-Number (Norway):	4188132
E-Number (Sweden):	3860590

Categories

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

Parts & Services > Medium Voltage Products and Systems > Service > Spares and Consumables > Parts > All Spare Parts (Relays-SWG-CB)

