

PRODUCT-DETAILS

CM-MPS.23P

CM-MPS.23P Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3-N=3x180-280VAC



General Information

Extended Product Type	CM-MPS.23P
Product ID	1SVR740885R4300
EAN	4016779852081
Catalog Description	CM-MPS.23P Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3-N=3x180-280VAC
Long Description	The CM-MPN.23S 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 50/60/400 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. The CM- MPN.23S also offers selection of phase sequence monitoring, automatic phase sequence correction as well as an ON or OFF tripping delay. The output contacts can be configured as 1x2 c/o (SPDT) contacts (common signal) or 2x1 c/o (SPDT) contact (separate signal for over- and undervoltage thresholds) operation. 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 maintenance free Easy Connect Technology with push-in terminals.

Ordering	
EAN	4016779852081
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Data Sheet, Technical Information	2CDC112203D0201
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	0.138 kg

Over- and undervoltage monitori Phase failure detect Phase supplied Phase supplied Measuring Range (L-h) 180280 V Time Range 0 s or 0.1 30 s tripping delay (ON or OI 200 m start-up de Rated Control Supply (L-h) 180280 V Voltage (Us) (L-h) 180 280 V Rated Frequency (f) Supply Chruit 50/60/400 Output 2 x 1 c /o or 1 x 2 c /o contacts, configural Terminal Type Screwless Termin Rated Operational (230 V) Current A C-12 (Ie) (24 V). Rated Operational (24 V). Current A C-15 (Ie) (24 V). Rated Operational (24 V). Current D C-13 (Ie) (24 V). Minimum Switching 2. Capacity 10 or Rated Insulation Voltage Input Circuit 6. Output Circuit A Output Circuit 7.0 10 or Rated Insulation Voltage Input Circuit 6. Output Circuit 1.0 Output Circuit 4. Noticity Protection Terminals IF Overvoltage Category	Technical	
Time Range 0 s or 0.1 30 s tripping delay (ON or Ol 200 ms start-up de 200 ms	Function	Automatic phase sequence correction Over- and undervoltage monitoring Phase failure detection Phase unbalance detection Phase sequence monitoring Interrupted neutral monitoring
200 ms start-up de Rated Control Supply (L-N) 180 280 V Voltage (Us) Supply Circuit 50/60/400 Rated Frequency (f) Supply Circuit 50/60/400 Output 2 x 1 c/o or 1 x 2 c/o contacts, configural Terminal Type Screwless Termin Rated Operational (230 V) Current AC-12 (u) (230 V) Rated Operational (230 V) Current AC-12 (u) (24 V) Rated Operational (24 V) Current AC-12 (u) (24 V) Current DC-13 (u) (24 V) Minimum Switching 2 Capacity 10 r Rated Insulation Voltage (Uimp) Output Circuit 7 Vortuput Circuit A (10 r) Rated Insulation Voltage (Uimp) Output Circuit 7 Overvoltage Category Pollution Degree Short-Circuit Protective Output Circuit NC - F Type Fuses 1 Devices Output Circuit NC - F Type Fuses 1 Devices Output Circuit NC - F Type Fuses 1 Devices Output Circuit NC - F Type Fuses 1 Devices Output Circuit NC - F Type Fuses 1 Devices	Measuring Range	(L-N) 180 280 V AC
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Output 2 x1 c/o or 1 x 2 c/o contacts, configural Terminal Type Screwless Termin Rated Operational (230 V) Current AC-12 (Ie) (230 V) Rated Operational (230 V) Current AC-12 (Ie) (240 V) Rated Operational (24 V) Current DC-12 (Ie) (24 V) Rated Operational (24 V) Current DC-12 (Ie) (24 V) Minimum Switching 2 Capacity 10 or Rated Inpulse Input Circuit 6 Withstand Voltage (Uimp Output Circuit 4 Nated Insulation Voltage Input Circuit 600 U(I) Output Circuit 1 / Output Circuit 2 300 Degree of Protection Housing IF Overvoltage Category Pollution Degree Short-Circuit Protective Output Circuit NC - F Type Fuses I Devices Output Circuit NC - F Type Fuses I Devices Output Circuit NC - F Type Fuses I Devices Output Circuit NC - F Type Fuses I Devices Output Circuit NC - F Type Fuses I Devices Output Circuit NC - F Type Fuses I Devices <td></td> <td>(L-N) 180 280 V AC</td>		(L-N) 180 280 V AC
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Short-Circuit Protective Output Circuit NC - F Type Fuses 10 Devices Output Circuit NO - F Type Fuses 10 Electrical Durability AC-12 100000 cy Mechanical Durability 30000000 cy Connecting Capacity Flexible with Ferrule 2x 0.5 1.5 m Flexible with Insulated Ferrule 2x 0.5 1.5 m Flexible 2x 0.5 1.5 m Rigid 2x 0.5 1.5 m Rigid 2x 0.5 1.5 m	Overvoltage Category	
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Mechanical Durability 30000000 cy Connecting Capacity Flexible with Ferrule 2x 0.5 1.5 m Flexible with Insulated Ferrule 2x 0.5 1.5 m Flexible with Insulated Ferrule 2x 0.5 1.5 m Flexible 2x 0.5 1.5 m Flexible 2x 0.5 1.5 m Rigid 2x 0.5 1.5 m Rigid 2x 0.5 1.5 m		Output Circuit NC - F Type Fuses 6 A Output Circuit NO - F Type Fuses 10 A
Connecting Capacity Flexible with Ferrule 2x 0.5 1.5 m Flexible with Insulated Ferrule 2x 0.5 1.5 m Flexible 2x 0.5 1.5 m Rigid 2x 0.5 1.5 m	Electrical Durability	AC-12 100000 cycle
Flexible with Insulated Ferrule 2x 0.5 1.5 m Flexible 2x 0.5 1.5 m Rigid 2x 0.5 1.5 m	Mechanical Durability	3000000 cycle
Wire Stripping Length	Connecting Capacity	Flexible with Ferrule 2x 0.5 1.5 mm ² Flexible with Insulated Ferrule 2x 0.5 1.5 mm ² Flexible 2x 0.5 1.5 mm ² Rigid 2x 0.5 1.5 mm ²
	Wire Stripping Length	8 mm

Subject to change without notice

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Mounting Position	16
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

Maximum Operating Voltage UL/CSA	Output Circuit 300 V AC
Contact Rating UL/CSA	B300
Connecting Capacity UL/CSA	Flexible 2x 18-16 AWG Rigid 2x 20-16 AWG
Pilot Duty UL/CSA	B300
Flammability According to UL94	V-0
to UL94	

Ambient Air Temperature	Operation -25 +60 °C Storage -40 +85 °C
Maximum Operating Altitude Permissible	Without Derating 2000 m
RoHS Status	Following EU Directive 2011/65/EU

Certificates and Declarations (Document Number)	
CB Certificate	CB_DK-27947-UL
CQC Certificate	CQC2009010303326655
cULus Certificate	cULus508_20120829-E140448
Declaration of Conformity - CCC	2020980303000197
Declaration of Conformity - CE	15VD981014-00
Declaration of Conformity - UKCA	1SVD981014-10
DNV GL Certificate	DNV_GL_TAA000017D
EAC Certificate	EAC_RU_C-DE.ME77.B.03424
Instructions and Manuals	1SVC730730M1000 1SVC730730M0000
RoHS Information	1SVD981014-00

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	0.163 kg
Package Level 1 EAN	4016779852081

Classifications	
Object Classification Code	В
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)	2712273
E-Number (Sweden)	3860610

Categories

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

