PRODUCT-DETAILS

CM-MPS.21P

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



General Information

Extended Product Type	CM-MPS.21P
Product ID	1SVR740885R3300
EAN	4016779852074
Catalog Description	CM-MPS.21P Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3-N=3x180-280VAC
Long Description	The CM-MPS.21P 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 maintenance free Easy Connect Technology with push-in terminals.

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112206D0201
Instructions and	1SVC730730M1000

Manuals 1SVC730730M0000

Dimensions

Product Net Width	22.5 mm
Product Net Depth / Length	103.7 mm
Product Net Height	85.6 mm
Product Net Weight	0.135 kg

Technical

Function	Over- and undervoltage monitoring Phase failure detection Phase unbalance detection Phase sequence monitoring Interrupted neutral monitoring
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-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	0 s or 0.1 ... 30 s tripping delay (ON or OFF) 200 ms start-up delay
Terminal Type	Screwless 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 2x 0.5 ... 1.5 mm² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm² Flexible 2x 0.5 ... 1.5 mm² Rigid 2x 0.5 ... 1.5 mm²
Wire Stripping Length	8 mm
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

Environmental

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

Technical UL/CSA

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

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	1SVD981014-00
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 Height	109 mm
Package Level 1 Depth / Length	30 mm
Package Level 1 Gross Weight	0.16 kg
Package Level 1 EAN	4016779852074

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	V11.0 : 27371803
UNSPSC	39121536
E-Number (Finland)	2712271
E-Number (Sweden)	3860609
ETIM 8	EC001441 - Phase monitoring relay

Categories

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

