

Detailed information for: CM-MPS.41S

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Data Sheet

Documentation

CM-MPS.41S

General Information

Extended Product Type:CM-MPS.41S

Product ID: 1SVR730884R3300

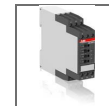
EAN: 4016779851862

Catalog Description: CM-MPS.41S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x300-500VAC

Long Description: The CM-MPS.41S is a multifunctional relay from the CM three-phase monitors range. It operates with a rated control supply voltage / three-phase measuring voltage of 300-500 V AC 50/60 Hz and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. This relay monitors all phase parameters such as over/undervoltage, phase unbalance and phase failure. 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: [2CDC112175D0201](#)

Dimensions

Product Net Width: 22.5 mm

Product Net Depth: 103.7 mm

Product Net Height: 85.6 mm

Product Net Weight: 0.14 kg

Technical

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

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

Measuring Range: (L-L) 300 ... 500 V AC

Rated Control Supply Voltage (U_s): (L-L) 300 ... 500 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 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

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
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Environmental

Ambient Air Temperature:	Operation -25 ... +60 °C Storage -40 ... +85 °C
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RoHS Status:	Following EU Directive 2011/65/EU
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Technical UL/CSA

Maximum Operating Voltage UL/CSA:	Output Circuit 300 V AC
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Contact Rating UL/CSA:	B300
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Connecting Capacity UL/CSA:	Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-14 AWG
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Tightening Torque UL/CSA:	7.08 in-lb
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Certificates and Declarations (Document Number)

CB Certificate:	CB_DK-27947-UL
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CCC Certificate:	CCC_2009010303326655
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cULus Certificate:	cULus508_20120829-E140448
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Declaration of Conformity - CE:	1SVD981014-0002
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DNV GL Certificate:	DNV_GL_TAA000017D
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EAC Certificate:	EAC_RU_C-DE.ME77.B.01012
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Environmental Information:	1SAA981020-2401
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Instructions and Manuals:	1SVC730520M0000
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RMRS Certificate:	RMRS_1740020250
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RoHS Information:	1SVD981014-0002
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Container Information

Package Level 1 Units:	1 piece
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Package Level 1 Width:	97 mm
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Package Level 1 Height:	109 mm
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Package Level 1 Length:	30 mm
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Package Level 1 Gross Weight:	0.165 kg
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Package Level 1 EAN:	4016779851862
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Classifications

Object Classification Code:	B
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E-nummer:	3860587
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ETIM 4:	EC001441 - Phase monitoring relay
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ETIM 5:	EC001441 - Phase monitoring relay
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ETIM 6:	EC001441 - Phase monitoring relay
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eClass:	7.0 27371803
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UNSPSC:	39121536
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