



PRODUCT-DETAILS

CM-PAS.41S

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



General Information	
Extended Product Type	CM-PAS.41S
Product ID	1SVR730774R3300
EAN	4016779851800
Catalog Description	CM-PAS.41S Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x300-500VAC
Long Description	The CM-PAS.41S relay is from the CM three-phase monitors range. This relay operates with a rated control supply voltage / three-phase measuring voltage of 300-500 V AC and has a 2 c/o output with contacts rated at 250 V / 4 A. The CM-PAS.41S monitors the phase parameters phase failure, phase sequence and phase unbalance. An ON-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	4016779851800
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112180D0201
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	0.132 kg

Technical

Function	Phase failure detection Phase sequence monitoring Phase unbalance detection
Measuring Range	(L-L) 300 ... 500 V AC
Time Range	200 ms start-up delay 0 s or 0.1 ... 30 s tripping delay (ON)
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
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	0.8 x 4 4.5 Pozidriv 1
Mounting Position	1 ... 6
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
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 1x 20-12 AWG Rigid 2x 20-14 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 and Amendment 2015/863 July 22, 2019
SCIP	448bb180-fee1-4ae5-9a53-2026066e7bc4 Germany
Simplified SCIP	66cca6ee-c44a-4b7c-bfd2-187e30345218 Belgium e9456fb1-48ef-4f73-b675-b2870c576dea Germany 78a0b3ab-16f2-46c7-b3f0-ebbf15bc5b89 Norway f03a6182-65a0-4b4c-a1a3-b2721547b4b3 Finland c8bf5efe-ca54-4cd0-843c-3a3cf9b2dac7 Denmark 536f1157-45b1-4dfb-a85f-4dbbaeada690 Poland 6dda6c6f-9aa4-4a73-833e-8c251188c9c1 Italy cde37705-acf3-4ab7-be4b-a4e195bb7ca7 Estonia 16e7bfbfbc-9f08-4427-8f42-cebc8aac3fbc Czech Republic 3f62a6ab-cac9-4d10-b7bc-7fb3fde78691 Germany a03845c8-5b58-4f76-b11c-f28960b5b595 Germany 4939afed-8387-4a24-9daa-61c622903109 Croatia

	330faf47-a263-49a4-8134-980aaf2a55e3 Belgium
	282ef598-aeef-43fd-8079-8ad4af4ec90f Hungary
	1c4d121c-07a1-4916-9703-591f13c35bfc Spain
	3a538c0b-1192-4a4b-aa39-a1258de14b74 Greece
	f14dfe65-11e2-4353-bd8d-9eff8bd1d549 Portugal
	8a21c0f5-57a0-47ed-bc49-74558dcbf206 France
	1177fd82-1ccf-4306-acba-c6d78249bb5f France
	be5ffde9-e5d1-43e7-b15b-930582ba803b Bulgaria
	1ceb74f5-9e3d-4be6-beb7-b594b161bc7d Sweden
	6f116b51-003c-4a00-9530-ecd3d67631fe Germany
	5ab3840f-e473-4d60-bf7f-ab1a5c60f800 Sweden
	83ef4a3e-a3a5-4855-b700-5a65586cd841 Poland
	2fbf610a-c9c6-4c79-8771-72338c306fd1 Hungary
	e10ce8a4-3d5c-41e3-96be-045dc486d245 Poland
	b21eb7dc-a49c-4e5b-9c54-f4db8bb4a4f9 Netherlands
Toxic Substances Control Act - TSCA	2CMT2023-006536

ABB EcoSolutions

Environmental Product Declaration - EPD	1SAC200438H0001
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Certificates and Declarations

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	0.157 kg
Package Level 1 EAN	4016779851800

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)	2712284
E-Number (Norway)	4188161

Categories

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



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