



PRODUCT-DETAILS

CM-PVE

CM-PVE Phase monitoring relay 1n/o, L1,2,3=320-460VAC



General Information	
Extended Product Type	CM-PVE
Product ID	1SVR550871R9500
EAN	4013614348112
Catalog Description	CM-PVE Phase monitoring relay 1n/o, L1,2,3=320-460VAC
Long Description	The CM-PVE relay is from the CM three-phase monitors range. This relay operates with a rated control supply voltage / three-phase measuring voltage of 320-460 V AC and has a 1 n/o output (closed circuit principle) with contacts rated at 250 V / 4 A. The CM-PVE monitors the phase loss, overvoltage and undervoltage. The corresponding threshold values are fixed. The relay is suitable for monitoring of three phase mains.

Ordering	
EAN	4013614348112
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads	
Data Sheet, Technical Information	2CDC112190D0201

Instructions and Manuals	1SVC550510M0002
CAD Dimensional Drawing	2CDC001079B0201

Dimensions

Product Net Width	22.5 mm
Product Net Height	78 mm
Product Net Depth / Length	78.5 mm
Product Net Weight	0.066 kg

Technical

Function	Phase failure detection Over- and undervoltage monitoring
Sub-Function	Phase loss
Sub-Function 2	02 Over- and undervoltage (fixed)
Measuring Range	(L-L) 320 ... 460 V AC
Time Range	500 ms start-up delay 500 ms tripping delay
Rated Control Supply Voltage (U _s)	(L-L) 320 ... 460 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz
Output	1 n/o contact
Terminal Type	Screw Terminals
Rated Operational Current AC-12 (I _θ)	(230 V) 4 A
Rated Operational Current AC-15 (I _θ)	(230 V) 3 A
Rated Operational Current DC-12 (I _θ)	(24 V) 4 A
Rated Operational Current DC-13 (I _θ)	(24 V) 2 A
Rated Impulse Withstand Voltage (U _{imp})	Input Circuit 4 kV
Rated Insulation Voltage (U _i)	Input Circuit / Output Circuit 400 V
Degree of Protection	Housing IP50 Terminals IP20
Overvoltage Category	III
Pollution Degree	3
Short-Circuit Protective Devices	Output Circuit NC - F Type Fuses 10 A Output Circuit NO - F Type Fuses 10 A
Connecting Capacity	Flexible with Ferrule 2x 0.75 ... 1.5 mm ² Flexible 2x 1 ... 1.5 mm ² Rigid 2x 0.75 ... 1.5 mm ²
Tightening Torque	0.6 ... 0.8 N·m
Wire Stripping Length	10 mm
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 61000-6-2 IEC/EN 61000-6-3 UL 508

Technical UL/CSA

Maximum Operating	Output Circuit 250 V AC
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Voltage UL/CSA	
Contact Rating UL/CSA	B300
Connecting Capacity UL/CSA	Flexible with Ferrule 2x 18-16 AWG Flexible 2x 18-16 AWG Rigid 2x 18-16 AWG
Tightening Torque UL/CSA	7.08 in-lb
Pilot Duty UL/CSA	B300

Environmental

Ambient Air Temperature	Operation -20 ... +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
Toxic Substances Control Act - TSCA	2CMT2023-006536

Certificates and Declarations

CB Certificate	CB_DK-8880
CCC Certificate	CCC_2013010303605960
CQC Certificate	CQC2013010303605960
cUL Certificate	cUL508_E140448
Declaration of Conformity - CCC	2020980303000202
Declaration of Conformity - CE	1SVD981025-00
Declaration of Conformity - UKCA	1SVD981025-10
UL Certificate	UL508_E140448

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	23 mm
Package Level 1 Depth / Length	82 mm
Package Level 1 Height	82 mm
Package Level 1 Gross Weight	0.078 kg
Package Level 1 EAN	4013614348112

Classifications

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)	2712602

Categories

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

