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PRODUCT-DETAILS

## CM-PFE

### CM-PFE Phase sequence monitoring relay 1c/o, L1-L2-L3=208-440VAC




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#### General Information

Extended Product Type	CM-PFE
Product ID	1SVR550824R9100
EAN	4013614348044
Catalog Description	CM-PFE Phase sequence monitoring relay 1c/o, L1-L2-L3=208-440VAC
Long Description	<p>The CM-PFE relay is from the CM three-phase monitors range. This relay operates with a rated control supply voltage / three-phase measuring voltage of 208-440 V AC and has a 1 c/o output (closed circuit principle) with contacts rated at 250 V / 4 A. The CM-PFE monitors the phase loss and phase sequence. The corresponding threshold values are fixed. The relay is suitable for monitoring of three phase mains.</p>

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#### Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

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#### Popular Downloads

Data Sheet, Technical Information	2CDC112231D0201
Instructions and Manuals	1SVC550510M0002

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#### Dimensions


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Product Net Width	22.5 mm
Product Net Depth / Length	78.5 mm
Product Net Height	78 mm
Product Net Weight	0.068 kg

## Technical

Function	Phase failure detection Phase sequence 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-L) 208 ... 440 V AC
Rated Control Supply Voltage ( $U_s$ )	(L-L) 208 ... 440 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz
Output	1 c/o (SPDT) contact
Time Range	500 ms start-up delay 500 ms tripping delay
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
Rated Insulation Voltage ( $U_i$ )	Input Circuit / Output Circuit 600 V
Rated Impulse Withstand Voltage ( $U_{imp}$ )	Input Circuit 6 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
Connecting Capacity	Flexible with Ferrule 2x 0.75 ... 1.5 mm <sup>2</sup> Flexible 2x 1 ... 1.5 mm <sup>2</sup> Rigid 2x 0.75 ... 1.5 mm <sup>2</sup>
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

## Environmental

Ambient Air Temperature	Operation -20 ... +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 250 V AC
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

**Certificates and Declarations (Document Number)**

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	1SVD981026-00
Declaration of Conformity - UKCA	1SVD981026-10
EAC Certificate	EAC_RU_C-DE.ME77.B.03206
Instructions and Manuals	1SVC550510M0002
RoHS Information	1SVD981026-00
UL Certificate	UL508_E140448

**Container Information**

Package Level 1 Units	box 1 piece
Package Level 1 Width	23 mm
Package Level 1 Height	82 mm
Package Level 1 Depth / Length	82 mm
Package Level 1 Gross Weight	0.08 kg
Package Level 1 EAN	4013614348044

**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)	3580833
E-Number (Sweden)	3860173
ETIM 8	EC001441 - Phase monitoring relay

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## Categories

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

