

# CM-PFS.S



CM-PFS.S Three-phase monitoring relay 2c/o, L1-L2-L3=200-500VAC 50/60Hz

## General Information

Extended Product Type	CM-PFS.S
Product ID	1SVR730824R9300
EAN	4016779851947
Catalog Description	CM-PFS.S Three-phase monitoring relay 2c/o, L1-L2-L3=200-500VAC 50/60Hz
Long Description	Phase sequence relay CM-PFS.S, width 22.5mm, measuring range L1-L2-L3=200-500VAC 50/60Hz, powered by measuring range, 2 c/o (closed circuit principle). The device offers screw connection technology with double-chamber cage connection terminals.

## Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

## Popular Downloads

Data Sheet, Technical Information	2CDC112192D0201
Instructions and Manuals	1SVC730510M0000

## Dimensions

Product Net Width	22.5 mm
Product Net Depth / Length	103.7 mm
Product Net Height	85.6 mm
Product Net Weight	0.127 kg

## Technical

Function	Phase failure detection Phase sequence monitoring
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) 200 ... 500 V AC
Rated Control Supply Voltage ( $U_s$ )	(L-L) 200 ... 500 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz

Output	2 c/o (SPDT) contacts
Time Range	500 ms start-up delay
Terminal Type	Screw Terminals
Rated Operational Current AC-12 ( $I_{\theta}$ )	(230 V) 4 A
Rated Operational Current AC-15 ( $I_{\theta}$ )	(230 V) 3 A
Rated Operational Current DC-12 ( $I_{\theta}$ )	(24 V) 4 A
Rated Operational Current DC-13 ( $I_{\theta}$ )	(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 mm <sup>2</sup> Flexible with Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm <sup>2</sup> Flexible 1x 0.5 ... 2.5 mm <sup>2</sup> Flexible 2x 0.5 ... 1.5 mm <sup>2</sup> Rigid 1x 0.5 ... 4 mm <sup>2</sup> Rigid 2x 0.5 ... 2.5 mm <sup>2</sup>
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

## Environmental

Ambient Air Temperature	Operation -25 ... +60 °C Storage -40 ... +85 °C
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 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

## Certificates and Declarations (Document Number)

CB Certificate	CB_DK-28908-UL
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CCC Certificate	CCC_2005010303165479
cULus Certificate	cULus508_20120829-E140448
Declaration of Conformity - CE	1SVD981014-0002
DNV GL Certificate	DNV_GL_TAA000017D
EAC Certificate	EAC_RU_C-DE.ME77.B.01012
Environmental Information	1SAA981020-2401
Instructions and Manuals	1SVC730510M0000
RMRS Certificate	RMRS_1740020250
RoHS Information	1SVD981014-0002

## Container Information

Package Level 1 Units	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	0.152 kg
Package Level 1 EAN	4016779851947

## 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	7.0 27371803
UNSPSC	39121536

## Categories

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

