



PRODUCT-DETAILS

CM-PFE.2

CM-PFE.2 Phase sequence monitoring relay
1c/o, L1-L2-L3=200-500VAC



General Information	
Extended Product Type	CM-PFE.2
Product ID	1SVR550826R9100
EAN	4013614501814
Catalog Description	CM-PFE.2 Phase sequence monitoring relay 1c/o, L1-L2-L3=200-500VAC
Long Description	The CM-PFE.2 relay is from the CM three-phase monitors range. This relay operates with a rated control supply voltage / three-phase measuring voltage of 200-500 V AC and has a 1 c/o output (closed circuit principle) with contacts rated at 250 V / 4 A. The CM-PFE.2 monitors the phase loss and phase sequence. The corresponding threshold values are fixed. The relay is suitable for monitoring of three phase mains.

Ordering	
EAN	4013614501814
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112231D0201
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	0.067 kg

Technical

Function	Phase failure detection Phase sequence monitoring
Measuring Range	(L-L) 200 ... 500 V AC
Time Range	500 ms start-up delay 500 ms tripping delay
Rated Control Supply Voltage (U _s)	(L-L) 200 ... 500 V AC
Rated Frequency (f)	Supply Circuit 50/60 Hz
Output	1 c/o (SPDT) contact
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 Impulse Withstand Voltage (U _{imp})	Input Circuit 6 kV
Rated Insulation Voltage (U _i)	Input Circuit / Output Circuit 600 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
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 60255-27 IEC/EN 61000-6-2

IEC/EN 61000-6-3
UL 508

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
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
SCIP	23e69657-e5b7-4fd7-a62c-ba9e920e61d4 Germany (DE)
Simplified SCIP	e7450798-5220-4258-968a-4b0e509b0f96 Italy (IT) 1d88e429-ac05-47b3-96c4-b9b3a1cbc128 Germany (DE) 77ff30b1-2163-41f5-8f8f-62cae1280ca1 Croatia (HR) aba8499e-1951-4ea1-8fa0-b0baf89b4aa Denmark (DK) bf0ebf92-95d5-4ca7-aaee-41243ded78fc Poland (PL) 8a88fa76-b872-4627-bade-f4dd8035315c Germany (DE) 2ffc4ab9-16c9-4a93-a918-591890f42359 Finland (FI) d068c773-7385-4d39-8bad-f0fdfed1e28e Belgium (BE) 14a80d71-d335-4d37-81aa-a97828463b02 Norway (NO) 7f8c465a-4fe1-4ed7-aaf3-c20efd1a9eb8 Estonia (EE) 2f5cd5b7-941c-41cf-8280-656ea65e014c Poland (PL) b6b2cfbe-39c7-4197-8a63-1672a777f133 Germany (DE) 2d0020bf-4646-4bfe-8b7f-2cf4a3169593 Netherlands (NL) 30e3d5de-65bf-4d4b-9fd7-e84ac79d4bb7 Hungary (HU) 70f4e7e2-dcd7-4a7b-a12b-3265b1b2ca81 Greece (GR) 894ee200-a527-4b6e-a558-bbdc78803a7a Portugal (PT) f73fc536-734a-4f13-b02d-d73a9e8628c4 Bulgaria (BG) 454da45e-9da1-4837-955c-23e8febafaa2 Czech Republic (CZ) 64c6c252-f901-4dc5-9f2d-658270d49355 Sweden (SE) 0c9d8197-1c37-43e2-b6b8-ea23e99f913c Germany (DE) db845644-e8f4-42c4-873b-c0b4c2e228f4 France (FR) fa81384b-0cbb-4356-8ea4-3f447ef5134e France (FR) 1ec20a4a-8117-4a47-80a4-420b72a8d8e9 Sweden (SE) 3424a35d-b006-4522-92d9-fcc2a9f67f13 Poland (PL) b7b26d94-55a3-422e-a721-ce2b58c4c062 Hungary (HU) bf7cf2ae-e69c-4430-9c1d-fe8e71d31ca2 Belgium (BE) df76d396-5463-4452-82fd-137c3c6a2207 Spain (ES)
Toxic Substances Control Act - TSCA	2CMT2023-006536

Certificates and Declarations

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
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	4013614501814

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

Categories

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

