



PRODUCT-DETAILS

CM-PBE

CM-PBE Phase loss monitoring relay 1n/o, L1,2,3-N=220-240VAC



General Information	
Extended Product Type	CM-PBE
Product ID	1SVR550881R9400
EAN	4013614350498
Catalog Description	CM-PBE Phase loss monitoring relay 1n/o, L1,2,3-N=220-240VAC
Long Description	The CM-PBE relay is from the CM three-phase monitors range. This relay operates with a rated control supply voltage / three-phase measuring voltage of 220-240 V AC and has a 1 n/o output (closed circuit principle) with contacts rated at 250 V / 4 A. The CM-PBE monitors the phase loss and undervoltage. The corresponding threshold values are fixed. The relay is suitable for monitoring of single- or three phase with neutral mains.
Ordering	
EAN	4013614350498
Minimum Order Quantity	1 piece
Customs Tariff Number	85364900

Popular Downloads

Data Sheet, Technical Information	2CDC112194D0201
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 Interrupted neutral monitoring
Sub-Function	Phase loss
Measuring Range	(L-L) 380 ... 440 V AC (L-N) 220 ... 240 V AC
Time Range	Tripping Delay (ON or OFF) 150 ms
Rated Control Supply Voltage (U _s)	(L-L) 380 ... 440 V AC (L-N) 220 ... 240 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 _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 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 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 Declaration	1SVD981001-4401
RoHS Information	No declaration needed
SCIP	b3388d08-0e78-4c87-916b-2857dd9f20f7 Germany
Simplified SCIP	f405e86b-a0e7-46c0-9e84-a31083eddd0d Germany 40b08846-17e3-4c2e-b3ef-117be45f751b Poland 05d40a35-4f8d-47d7-92f2-e61413942b25 Denmark f24e031d-1c00-4eb8-99b6-938fbba3bea5 Germany 8674d20a-8138-4db3-a912-eabaf267e9a5 Finland 2a40256d-88c5-4f69-86c0-7fa9e96af47e Czech Republic b2fa228b-66cc-40aa-8b60-8c180239c815 Poland e68a1ace-24fd-45fd-a326-ee9248297841 France 6350685f-5690-4751-8911-93353e219179 Germany 6240ceb2-b1cc-4d16-a265-69fdeda7b024 Hungary b924531f-26f2-4eed-86f0-708d820f7528 Spain bf675e2f-fc07-44fb-865a-5b65c1996f2d Estonia e309ca6c-d9de-4c11-92a7-856be7c625b4 Sweden b1a17e79-34e9-42bc-b582-fe5bb57f8b56 Italy d11296b2-081d-4bbb-aecd-1628830c034d Germany 2c4d1109-5288-4eb9-810f-7c12e29dacd4 Netherlands a80ef049-d958-4ca8-8f01-924438cbe1af Norway 9644bad3-42f6-4467-be9e-019c5c5264d2 Croatia db3a0a69-fbd8-49ae-91d9-f66b1fe58cb7 Sweden cceae64b-c968-4aa0-8966-84a9cb8671ad France b42bce03-4c05-4c0b-ae0d-91e30c832300 Greece 7011d538-a265-41c4-b40f-2a2ebf3ca0ba Portugal 4d3cf70c-c755-4870-90e2-4bb83dbfcff0 Hungary 3a05fc70-9670-4bd4-80c6-15c7f7f1b588 Belgium 4f5ea56e-2a1b-4097-949c-a0242c24ee2e Belgium 40c3198c-7492-4d66-8da3-e9ab4ac807e8 Bulgaria f8eefe35-1a12-4521-b8e3-bb741a80f262 Poland
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	4013614350498
Package Level 2 EAN	4013614580796

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)	2712853
E-Number (Norway)	4187168
E-Number (Sweden)	3860175

Categories

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

