



PRODUCT-DETAILS

CM-PBE

CM-PBE Phase loss monitoring relay 1n/o, L1,2,3= 380-440VAC



General Information	
Extended Product Type	CM-PBE
Product ID	1SVR550882R9500
EAN	4013614348136
Catalog Description	CM-PBE Phase loss monitoring relay 1n/o, L1,2,3= 380-440VAC
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 380-440 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 three phase mains.

Ordering	
EAN	4013614348136
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
Sub-Function	Phase loss
Measuring Range	(L-L) 380 ... 440 V AC
Time Range	Tripping Delay (ON or OFF) 150 ms
Rated Control Supply Voltage (U_s)	(L-L) 380 ... 440 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 Voltage UL/CSA	Output Circuit 250 V AC
Contact Rating UL/CSA	B300
Connecting Capacity	Flexible with Ferrule 2x 18-16 AWG

UL/CSA	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	c27962c6-0ecc-44d6-be23-41778211e40c Germany
Simplified SCIP	ebd985f6-f937-45f1-965d-4df01c29ab55 Germany 60d975d2-e128-468f-9516-8ec56120001a Bulgaria e9345811-c7f3-49c7-a1bd-e6bf721262d2 Hungary 29ba1a64-5b51-43b1-9d56-3bf50944d7b8 Netherlands bdbe4ebd-16cb-4235-805e-e482ba214b6a Greece 1f6b0bb7-212d-4700-88b8-6ad8354a64bd Germany cdb69ebf-07e8-46de-9ca8-b267acc7be56 Italy 689fdce6-053c-4d2b-8584-a6896cad5ac3 Denmark e1227712-6383-4546-a608-5f89c49063bc Poland 0afde915-c050-4952-9eea-fc636cd36ac2 Germany c69aa0f0-7469-4915-9acd-ce10100704df Czech Republic 633fccb8-6bac-45b0-a220-2fc08bd657ac Poland 545ebc09-b771-436f-be12-1c4c5dbd1917 Sweden f30ab1da-3277-441e-bd70-bb3ca3267f67 Estonia f26b97f8-4c3c-4fa5-9e26-44f588a3aacb Poland 658e29a8-a12a-4e84-8481-9381f8c904c2 Norway 5a179cbb-314e-48af-8cf6-80420fee3dd8 Spain 015aad8c-9924-405b-9406-1a83b426420c France 890fb0bd-ba9b-475d-b298-7102b0ac12cc Sweden 5159f9fa-6b89-42d2-9ebd-a07a67bbb7af Croatia b6b5a4c8-354e-4d1b-85c7-d284f4eec54d Hungary 1856a9dc-ce18-4260-9d80-e08f7b4bda6d Belgium 3e91dba8-a90f-4589-9663-b42fe383c03f France 7ec23466-0c34-49a9-9124-73ff60ee6421 Portugal d66fe3c5-1023-4d8f-8f86-d8a1ddeb7217 Germany b5f9ea9b-d8fa-402c-99e6-65715dd3cbb3 Belgium 32f2beeb-1caa-405a-8cea-c61dd97794d0 Finland
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	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		4013614348136
Package Level 2 EAN		4013614580802

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)	2712854	
E-Number (Norway)	4187169	

Categories

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

