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

© 2024 ABB. All rights reserved.

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	500 ms start-up delay 150 ms tripping delay
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 mm² Flexible 2x 1 ... 1.5 mm² Rigid 2x 0.75 ... 1.5 mm²
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	Output Circuit 250 V AC

© 2024 ABB. All rights reserved.

Voltage UL/CSA	
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
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

Classifications

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

© 2024 ABB. All rights reserved.

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



© 2024 ABB. All rights reserved.