

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 | 1SVC550510M0002 |

Manuals

| | |
|-------------------------|-----------------|
| 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 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 |
| REACH Declaration | No declaration needed |
| RoHS Information | 1SVD981025-00 |
| RoHS Status | Following EU Directive 2011/65/EU |

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 |
| EAC Certificate | EAC_RU_C-DE.ME77.B.03206 |
| 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 |
| UNSPSC | 39122332 |
| E-Number (Finland) | 2712853 |
| E-Number (Sweden) | 3860175 |

Categories

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

