



 PRODUCT-DETAILS

CM-PFS.S

CM-PFS.S Three-phase monitoring relay 2c/o,
L1-L2-L3=200-500VAC 50/60Hz



General Information

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| Extended Product Type: | CM-PFS.S |
| Product ID: | 1SVR730824R9300 |
| EAN: | 4016779851947 |
| Catalog Description: | CM-PFS.S Three-phase monitoring relay 2c/o, L1-L2-L3=200-500VAC 50/60Hz |
| Long Description: | The CM-PFS.S 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 2 c/o output with contacts rated at 250 V / 4 A. The CM-PFS.S monitors the phase loss and phase sequence. The corresponding threshold values are fixed. The device offers screw connection technology with double-chamber cage connection terminals. |
| Display Name: | CM-PFS.S |

Ordering

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|--------------------------------|---------------|
| EAN: | 4016779851947 |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85364900 |

Popular Downloads

| | |
|---|------------------------------------|
| Data Sheet, Technical Information: | 2CDC112192D0201 |
| Instructions and Manuals: | 1SVC730730M1000 1SVC730730M0000 |
| CAD Dimensional Drawing: | 2CDC001079B0201 |
| EPLAN Data: | 9AAC132604_EPLAN |

Dimensions

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| Product Net Width: | 22.5 mm |
| Product Net Height: | 85.6 mm |
| Product Net Depth / Length: | 103.7 mm |
| Product Net Weight: | 0.127 kg |

Technical

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| Function: | Phase failure detection Phase sequence monitoring |
| Measuring Range: | (L-L) 200 ... 500 V AC |
| Rated Control Supply Voltage (U_s): | (L-L) 200 ... 500 V AC |
| Rated Frequency (f): | Supply Circuit 50/60 Hz |
| Output: | 2 C/O Contacts |
| 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 |
| Minimum Switching Capacity: | 24 V 10 mA |
| Rated Impulse Withstand Voltage (U_{imp}): | Input Circuit 6 kV Output Circuit 4 kV |
| Rated Insulation Voltage (U_i): | Input Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 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 |
| Electrical Durability: | AC-12 100000 cycle |
| Mechanical Durability: | Nr. Operations 30000000 cycle |

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| Connecting Capacity: | Flexible with Ferrule 1x 0.5 ... 2.5 mm ² Flexible with Ferrule 2x 0.5 ... 1.5 mm ² Flexible with Insulated Ferrule 1x 0.5 ... 2.5 mm ² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ² Flexible 1x 0.5 ... 2.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 1x 0.5 ... 4 mm ² Rigid 2x 0.5 ... 2.5 mm ² |
| Tightening Torque: | 0.6 ... 0.8 N-m |
| Wire Stripping Length: | 8 mm |
| Recommended Screw Driver: | 0.8 x 4 4.5 Poqidriv 1 |
| 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

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| Maximum Operating Voltage UL/CSA: | Output Circuit 300 V AC |
| Contact Rating UL/CSA: | B300 |
| Connecting Capacity UL/CSA: | Flexible 1x 18-14 AWG Flexible 2x 18-16 AWG Rigid 1x 20-12 AWG Rigid 2x 20-14 AWG |
| Tightening Torque UL/CSA: | 7.08 in-lb |
| Pilot Duty UL/CSA: | B300 |

Environmental

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| Ambient Air Temperature: | Operation -25 ... +60 °C Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible: | Without Derating 2000 m |

Material Compliance

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| Conflict Minerals Reporting Template (CMRT): | 9AKK108467A5658 |
| REACH Declaration: | 1SVD981001-4501 |
| RoHS Declaration: | 1SVD981001-4401 |
| RoHS Information: | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| SCIP: | 56fc38e3-b736-4b83-9e89-52f665d64cdc Germany |

Simplified SCIP: 3341f646-1a9a-4065-94b8-c2b2c0187c40 Italy
 6afb5db7-7f9d-4095-b539-242b414f7193 Germany
 5ebae325-3d4f-4aa5-a6e4-1f56cd923bec Croatia
 dd890426-285f-442d-8785-3654fca310e7 Norway
 17e92b3a-c001-4112-9355-68ffd855c21b Germany
 ceff6df6-b985-4856-883e-e42ad718689b Belgium
 e36cdf66-55ee-4b1b-ba1e-482f2414736c Finland
 b823fb42-33d1-478d-99a5-537325bb8f27 Denmark
 0d9b4915-a354-4ba3-b60b-03778cb0be7c Poland
 bf4d162e-fc74-4c0f-bc33-7fb11e530319 France
 b029317a-6c22-478a-b0d4-de48bee03dd1 Sweden
 e59838dd-a179-4d5b-9619-64ce5259908f Germany
 5cd9d81e-6449-4b1a-a4fb-798de111777c Sweden
 6936519d-4a85-42eb-bebb-ff972c3c7c4c Poland
 28814495-f69e-4f0d-9232-db444df6f00a France
 d8440f20-f040-45ce-a29b-d4b5085ff2e4 Belgium
 6da68da7-45f7-430a-886e-11e69f7beb7a Hungary
 a41a02e8-6421-4814-8484-0d5195dc067d Spain
 56ef4907-68f6-4b1b-b101-52c3080e9b68 Czechia
 662a264f-80cd-46b3-b300-5f0dcbc4ebac Poland
 1933829f-382a-40bc-ae2b-6b51b522f4ae Germany
 3a5aaa86-614b-4543-9c8e-fcee83244e2c Estonia
 3044e004-0351-4a3f-9eb5-d3af33e3a994 Netherlands
 18d4b5a8-a3a2-4e6c-ae09-034612aca207 Hungary
 6c3ac14a-a6c4-4f53-8829-7dde2dafcfb8 Greece
 0c468727-097c-435c-be07-2fd709bed4e8 Portugal
 206d3bbf-9f4e-43c6-8bae-03b750cce31 Bulgaria

Toxic Substances Control Act - TSCA: 2CMT2023-006536

ABB EcoSolutions

ABB EcoSolutions: Yes

Environmental Product Declaration - EPD: 1SAC200438H0001

Certificates and Declarations

CB Certificate: CB_DK-28908-UL

CCC Certificate: CCC_2005010303165479

cULus Certificate: cULus508_20120829-E140448

Declaration of Conformity - CCC: 2020980303000197

Declaration of Conformity - CE: 1SVD981014-00

Declaration of Conformity - UKCA: 1SVD981014-10

DNV GL Certificate: DNV_GL_TAA000017D

Container Information

Package Level 1 Units: box 1 piece

Package Level 1 Width: 97 mm

Package Level 1 Depth / Length: 30 mm

Package Level 1 Height: 109 mm

Package Level 1 Gross Weight: 0.152 kg

Package Level 1 EAN: 4016779851947

External Classifications and Standards

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|------------------------------------|-----------------------------------|
| 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): | 2712286 |
| E-Number (Norway): | 4188094 |
| E-Number (Sweden): | 3860595 |

Categories

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



360°

