

PRODUCT-DETAILS

CM-MPN.52P

CM-MPN.52P Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x350-580VAC



General Information

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| Extended Product Type | CM-MPN.52P |
| Product ID | 1SVR760487R8300 |
| EAN | 4016779852098 |
| Catalog Description | CM-MPN.52P Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x350-580VAC |

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|------------------|---|
| Long Description | <p>The CM-MPN.52S is a multifunctional relay from the CM three-phase monitors range. It operates with a rated control supply voltage / three-phase measuring voltage of 350-580 V AC 50/60 Hz and has a 2 c/o (SPDT) output with contacts rated at 250 V / 4 A. This relay monitors all phase parameters such as over/undervoltage, phase unbalance and phase failure. The corresponding threshold values are adjustable. The CM-MPN.52S also offers selection of phase sequence monitoring, automatic phase sequence correction as well as an ON or OFF tripping delay. The output contacts can be configured as 1x2 c/o (SPDT) contacts (common signal) or 2x1 c/o (SPDT) contact (separate signal for over- and undervoltage thresholds) operation. The tripping delay is adjustable over a range of instantaneous to 30 s (0, 0.1-30 s). A sealable transparent cover for protection against unauthorized changes is available as accessory. The device offers maintenance free Easy Connect Technology with push-in terminals.</p> |
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Ordering

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|------------------------|---------------|
| EAN | 4016779852098 |
| Minimum Order Quantity | 1 piece |
| Customs Tariff Number | 85364900 |

Popular Downloads

| | |
|-----------------------------------|------------------------------------|
| Data Sheet, Technical Information | 2CDC112177D0201 |
| Instructions and Manuals | 1SVC730730M1000 1SVC730730M0000 |
| CAD Dimensional Drawing | 2CDC001079B0201 |

Dimensions

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| Product Net Width | 45 mm |
| Product Net Height | 85.6 mm |
| Product Net Depth / Length | 104.8 mm |
| Product Net Weight | 0.226 kg |

Technical

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|---|---|
| Function | Automatic phase sequence correction Over- and undervoltage monitoring Phase failure detection Phase unbalance detection Phase sequence monitoring |
| Measuring Range | (L-L) 350 ... 580 V AC |
| Time Range | 0 s or 0.1 ... 30 s tripping delay (ON or OFF) 200 ms start-up delay |
| Rated Control Supply Voltage (U_s) | (L-L) 350 ... 580 V AC |
| Rated Frequency (f) | Supply Circuit 50/60 Hz |
| Output | 2 x 1 c/o or 1 x 2 c/o contacts, configurable |
| Terminal Type | Screwless 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 8 kV Output Circuit 4 kV |
| Rated Insulation Voltage (U_i) | Input Circuit / Output Circuit 1000 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 | 30000000 cycle |
| Connecting Capacity | Flexible with Ferrule 2x 0.5 ... 1.5 mm ² Flexible with Insulated Ferrule 2x 0.5 ... 1.5 mm ² Flexible 2x 0.5 ... 1.5 mm ² Rigid 2x 0.5 ... 1.5 mm ² |
| Wire Stripping Length | 8 mm |
| Mounting Position | 1 ... 6 |
| Mounting on DIN Rail | TH35-7.5 (35 x 7.5 mm Mounting Rail) acc. to IEC 60715 |

TH35-15 (35 x 15 mm Mounting Rail) acc. to IEC 60715

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| 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 |
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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 2x 18-16 AWG Rigid 2x 20-16 AWG |
| Pilot Duty UL/CSA | B300 |
| Flammability According to UL94 | V-0 |

Environmental

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| Ambient Air Temperature | Operation -25 ... +60 °C Storage -40 ... +85 °C |
| Maximum Operating Altitude Permissible | Without Derating 2000 m |
| RoHS Status | Following EU Directive 2011/65/EU |

Certificates and Declarations (Document Number)

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|----------------------------------|------------------------------------|
| CB Certificate | CB_DK-27946-UL |
| CQC Certificate | CQC2009010303326655 |
| 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 |
| EAC Certificate | EAC_RU_C-DE.ME77.B.03424 |
| Instructions and Manuals | 1SVC730730M1000 1SVC730730M0000 |
| RoHS Information | 1SVD981014-00 |

Container Information

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|--------------------------------|---------------|
| Package Level 1 Units | box 1 piece |
| Package Level 1 Width | 97 mm |
| Package Level 1 Depth / Length | 52.5 mm |
| Package Level 1 Height | 109 mm |
| Package Level 1 Gross Weight | 0.251 kg |
| Package Level 1 EAN | 4016779852098 |

Classifications

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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) | 2712263 |
| E-Number (Sweden) | 3860611 |

Categories

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

