



Automatización Eléctrica

Especialistas en Automatización

At the end of this document you will find links to products related to this catalog. You can go directly to our shop by clicking [HERE](#)

General Information

| | |
|------------------------|--|
| Extended Product Type: | CM-MPS.41P |
| Product ID: | 1SVR740884R3300 |
| EAN: | 4016779852043 |
| Catalog Description: | CM-MPS.41P Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x300-500VAC |
| Long Description: | The CM-MPS.41P is a multifunctional relay from the CM three-phase monitors range. It operates with a rated control supply voltage / three-phase measuring voltage of 300-500 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. Phase sequence monitoring as well as an ON or OFF tripping delay are selectable. 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. |

Categories

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

Ordering

| | |
|-------------------------|---------------|
| EAN: | 4016779852043 |
| Minimum Order Quantity: | 1 piece |
| Customs Tariff Number: | 85364900 |

Container Information

| | |
|-------------------------------|----------|
| Package Level 1 Units: | 1 piece |
| Package Level 1 Width: | 97 mm |
| Package Level 1 Height: | 109 mm |
| Package Level 1 Length: | 30 mm |
| Package Level 1 Gross Weight: | 0.157 kg |

Dimensions

| | |
|---------------------|----------|
| Product Net Width: | 22.5 mm |
| Product Net Depth: | 103.7 mm |
| Product Net Height: | 85.6 mm |
| Product Net Weight: | 0.132 kg |

Technical

| | |
|--|--|
| Function: | Phase failure detection Phase sequence monitoring Over- and undervoltage monitoring Phase unbalance detection |
| Standards: | IEC/EN 60255-1 EN 50178 |
| Measuring Range: | 3x300 ... 500 V AC |
| Rated Control Supply Voltage (U _s): | 3 x 300 ... 500 V AC |
| Output: | 2 c/o (SPDT) contacts |
| Time Range: | 200 ms start-up delay 0 s or 0.1-30 s tripping delay (ON or OFF) |
| 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 Insulation Voltage (U _i): | Input Circuit / Output Circuit 600 V Output Circuit 1 / Output Circuit 2 300 V |
| Rated Impulse Withstand Voltage (U _{imp}): | Input Circuit 6 kV Output Circuit 4 kV |

| | |
|--|---|
| 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: | Any |
| 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 |

Environmental

| | |
|---------------------------------|--|
| Ambient Air Temperature: | Operation -25 ... +60 °C Storage -40 ... +85 °C |
| RoHS Status: | Following EU Directive 2011/65/EC |

Technical UL/CSA

| | |
|--|---|
| 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 |

Certificates and Declarations (Document Number)

| | |
|--|---------------------------|
| CB Certificate: | CB_DK-27947-UL |
| CCC Certificate: | CCC_2009010303326655 |
| cULus Certificate: | cULus508_20120829-E140448 |
| Declaration of Conformity - CE: | 1SAD938500-0203 |
| EAC Certificate: | EAC_RU_C-DE.ME77.B.01012 |
| GL Certificate: | GL_37695-12HH |
| RMRS Certificate: | RMRS_12.04009.250 |
| RoHS Information: | 1SAA981057-4402 |

Classifications

| | |
|------------------------------------|-----------------------------------|
| Object Classification Code: | B |
| E-nummer: | 3860606 |
| ETIM 4: | EC001441 - Phase monitoring relay |
| ETIM 5: | EC001441 - Phase monitoring relay |
| eClass: | 7.0 27371803 |





Automatización Eléctrica
Especialistas en Automatización

Below is a list of articles with direct links to our shop Electric Automation Network where you can see:

- Quote per purchase volume in real time.
- Online documentation and datasheets of all products.
- Estimated delivery time enquiry in real time.
- Logistics systems for the shipment of materials almost anywhere in the world.
- Purchasing management, order record and tracking of shipments.

To access the product, [click on the green button](#).

| Product | Code | Reference | Product link |
|--|-----------------|------------|----------------------------|
| CM-MPS.41P Three-phase monitoring relay 2c/o, 0,0.1-30s, L1-L2-L3=3x300-500VAC | 1SVR740884R3300 | CM-MPS.41P | Buy on EAN |