

CP M CAP

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com



Use our diode and redundancy modules to connect two power supplies and compensate for a device failing. In addition, our capacity module offers power reserves, guaranteeing purposeful and quick triggering of a circuit breaker, for example.

General ordering data

| | |
|------------|---------------------------|
| Version | Capacity module |
| Order No. | 122240000 |
| Type | CP M CAP |
| GTIN (EAN) | 4050118005523 |
| Qty. | 1 items |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E258476

Dimensions and weights

| | | | |
|------------|----------|-----------------|-------------|
| Depth | 150 mm | Depth (inches) | 5.9055 inch |
| Height | 130 mm | Height (inches) | 5.1181 inch |
| Width | 34 mm | Width (inches) | 1.3386 inch |
| Net weight | 637.12 g | | |

Temperatures

| | | | |
|---------------------|---------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -25 °C...70 °C |
| Humidity | 5...95 %, no condensation | | |

Environmental Product Compliance

| | |
|------------------------|--------------------------------------|
| RoHS Compliance Status | Compliant |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | c9dca554-f123-4c2f-a680-5a7631aa9527 |

Input

| | | | |
|------------------------|------------------------------------|------------------------|------------------|
| Rated input voltage | 24 V DC | Wire connection method | Screw connection |
| DC current consumption | 25 mA @24 V after charging process | DC input voltage range | 18...30 V DC |

Output

| | | | |
|---------------------------------|---|------------------------|-------------------------------------|
| Switching thresholds | 21.6 V DC, relay is on for Power Good, 20.4 V DC, relay is off for Power Fail | Wire connection method | Screw connection |
| Voltage monitoring | Yes | Peak current output | load dependent (typ. 40 A for 1 ms) |
| Recovery time for the capacitor | Approx. 1 sec. | | |

General data

| | | | |
|--|---|--------------------|--------|
| Humidity | 5...95 %, no condensation | Protection degree | IP20 |
| Mounting position, installation notice | Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can mount side by side with no space in between. | Power loss, idling | 600 mW |

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EMC / shock / vibration

| | | | |
|------------------------------------|---|---|---------------------------|
| Shock resistance IEC 60068-2-27 | 15 g In all directions | Noise emission in accordance with EN55032 | Class B |
| Interference immunity test acc. to | EN 61000-4-2 (ESD)/ EN 61000-4-3 and EN 61000-4-8 (fields)/EN 61000-4-4 (burst)/EN 61000-4-5 (surge)/EN 61000-4-6 (conducted)/ EN 61000-4-11 (dips) | Vibration resistance IEC 60068-2-6 | 1 g according to EN 50178 |

Insulation coordination

| | | | |
|--------------------|--|--------------------|-----------------------------|
| Pollution severity | 2 | Insulation voltage | 0.5 kV Input / output - Box |
| Protection class | III, with no ground connection, for SELV | | |

Electrical safety (applied standards)

| | |
|------------------------------|-----------------|
| Electrical machine equipment | Acc. to EN60204 |
|------------------------------|-----------------|

Connection data (input)

| | | | |
|---|---------------------|---|-------------------|
| Number of terminals | 4 (++-) | Conductor cross-section, AWG/kcmil , max. | 12 AWG |
| Conductor cross-section, AWG/kcmil , min. | 26 AWG | Wire connection cross section, flexible (input), max. | 4 mm ² |
| Conductor cross-section, flexible , min. | 0.5 mm ² | Conductor cross-section, rigid , max. | 6 mm ² |
| Conductor cross-section, rigid , min. | 0.5 mm ² | | |

Connection data (output)

| | | | |
|---|---------------------|---|---------------------|
| Number of terminals | 3 (CO contacts) | Conductor cross-section, AWG/kcmil , max. | 12 AWG |
| Conductor cross-section, AWG/kcmil , min. | 26 AWG | Conductor cross-section, flexible , max. | 2.5 mm ² |
| Conductor cross-section, flexible , min. | 0.5 mm ² | Conductor cross-section, rigid , max. | 6 mm ² |
| Conductor cross-section, rigid , min. | 0.5 mm ² | | |

Signalling

| | |
|------------------|-----|
| Floating contact | Yes |
|------------------|-----|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002850 | ETIM 9.0 | EC002850 |
| ETIM 10.0 | EC002850 | ECLASS 14.0 | 27-04-06-92 |
| ECLASS 15.0 | 27-04-06-92 | | |