

PRO RM 10**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

In many automation applications, power supply systems are required that function reliably even if a power supply unit fails. With our optimally coordinated supplementary modules, a permanent supply concept is created. Weidmüller's diodes and redundancy modules connect two power supplies to each other in order to compensate for the failure of one device. Redundancy modules increase system availability is decisive. Each redundant branch is able to supply full output load. The 24-V control voltage remains stable in the event of a power supply failure. The use of MOSFETs in our redundancy modules allows for a optimum efficiency.

General ordering data

| | |
|------------|----------------------------|
| Version | Redundancy module, 24 V DC |
| Order No. | 2486090000 |
| Type | PRO RM 10 |
| GTIN (EAN) | 4050118496826 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|--------|-----------------|------------|
| Depth | 125 mm | Depth (inches) | 4.921 inch |
| Height | 130 mm | Height (inches) | 5.118 inch |
| Width | 30 mm | Width (inches) | 1.181 inch |
| Net weight | 47 g | | |

Temperatures

| | | | |
|---------------------|----------------------------------------------------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...70 °C |
| Humidity | 5-95% relative humidity, T _u = 40°C, without condensation | | |

Input

| | | | |
|---------------------|----------------------------------------------------------------------------|---------------------------|----------------|
| Connection system | PUSH IN | DC input voltage range | 10 ... 32 V DC |
| Input current | 2 × 12 A (-40 °C ~ +45 °C), 2 × 10 A (+45 °C ~ +60 °C), 2 × 7.5 A (+70 °C) | Nominal power consumption | 240 VA |
| Rated input voltage | 24 V DC | | |

Output

| | | | |
|----------------------|---------------------------------|--------------------------------------------------|---------------------------------------------------------------------------|
| Connection system | PUSH IN | Continuous output current @ U _{Nominal} | 1 × 24 A (-40 °C ~ +45 °C), 1 × 20 A (+45 °C ~ +60 °C), 1 × 15 A (+70 °C) |
| Output current, max. | 24 A | Output power | 477.4 W |
| Output voltage, max. | 32 V | Output voltage, min. | 9.87 V |
| Rated output voltage | V _{INPUT} -typ. 0.13 V | | |

General data

| | | | |
|----------------------|----------------------------------------------------------------------|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Degree of efficiency | > 98% | Derating | > 60°C / 75% @ 70°C |
| Humidity | 5-95% relative humidity, T _u = 40°C, without condensation | 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. |
| Protection degree | IP20 | Short-circuit protection | No |
| Weight | 497 g | | |

EMC / shock / vibration

| | | | |
|---------------------------------|------------------------|------------------------------------|---------------------|
| Shock resistance IEC 60068-2-27 | 30 g in all directions | Vibration resistance IEC 60068-2-6 | 2.3 g (on DIN rail) |
|---------------------------------|------------------------|------------------------------------|---------------------|

Insulation coordination

| | | | |
|----------------------------------|------------------------------------------|-----------------------------------|--------|
| Insulation voltage input / earth | 0.5 kV | Insulation voltage output / earth | 0.5 kV |
| Protection class | III, with no ground connection, for SELV | | |

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Connection data (input)

| | | | |
|-------------------------------------------------------|---------------------|-------------------------------------------|---------------------|
| Conductor cross-section, AWG/kcmil , max. | 12 | Conductor cross-section, AWG/kcmil , min. | 26 |
| Conductor cross-section, flexible , min. | 0.2 mm ² | Conductor cross-section, rigid , max. | 2.5 mm ² |
| Conductor cross-section, rigid , min. | 0.2 mm ² | Connection system | PUSH IN |
| Number of terminals | 4 (+, +, -, -) | Screwdriver blade | 0.6 x 3.5 |
| Wire connection cross section, flexible (input), max. | 2.5 mm ² | | |

Connection data (output)

| | | | |
|-------------------------------------------|--------------------|-------------------------------------------|---------------------|
| Conductor cross-section, AWG/kcmil , max. | 8 | Conductor cross-section, AWG/kcmil , min. | 24 |
| Conductor cross-section, flexible , max. | 6 mm ² | Conductor cross-section, flexible , min. | 0.2 mm ² |
| Conductor cross-section, rigid , max. | 10 mm ² | Conductor cross-section, rigid , min. | 0.2 mm ² |
| Connection system | PUSH IN | Number of terminals | 2 (+ / -) |
| Screwdriver blade | 0.6 x 3.5 | | |

Connection data (signal)

| | | | |
|--------------------------------------------------------|---------------------|--------------------------------------------------------|---------------------|
| Wire connection cross-section, flexible (signal), max. | 1.5 mm ² | Wire connection cross-section, flexible (signal), min. | 0.2 mm ² |
| Wire connection method | PUSH IN | Wire cross-section, AWG/kcmil , max. | 16 |
| Wire cross-section, AWG/kcmil , min. | 24 | Wire cross-section, solid , max. | 1.5 mm ² |
| Wire cross-section, solid , min. | 0.2 mm ² | | |

Approbations

| | | | |
|-------------------------|---------|-------------------|-------|
| Certificate no. (cULus) | E258476 | Institute (cULus) | CULUS |
|-------------------------|---------|-------------------|-------|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC002850 | ETIM 7.0 | EC002850 |
| ETIM 8.0 | EC002850 | ETIM 9.0 | EC002850 |
| ECLASS 9.0 | 27-04-06-92 | ECLASS 9.1 | 27-04-92-90 |
| ECLASS 10.0 | 27-04-06-92 | ECLASS 11.0 | 27-04-06-92 |
| ECLASS 12.0 | 27-04-06-92 | ECLASS 13.0 | 27-04-06-92 |

Environmental Product Compliance

| | |
|--------------------------------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 |
| SCIP | cc374e6c-371c-484b-a36d-6c65c5030ae7 |
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cl |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E258476 |

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Catalogue status 13.07.2024 / We reserve the right to make technical changes.

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Downloads

| | |
|---------------------------------------------|----------------------------------------------|
| Approval/Certificate/Document of Conformity | PRO RM UL 508.pdf |
| | DNV Certificate.pdf |
| | PRO RM ATEX certificate .pdf |
| | IECEX Certificate |
| | Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | Operating instructions |
| Catalogues | Catalogues in PDF-format |

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Accessories

Slotted screwdriver



VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

| | | |
|------------|----------------------------|----------------------------|
| Type | SDIS SL 0.6X3.5X100 | Version |
| Order No. | 1274660000 | Screwdriver, Mounting tool |
| GTIN (EAN) | 4050118072631 | |
| Qty. | 1 pc(s). | |

W-Series



Weidmüller's range of products includes end brackets that guarantee a permanent, reliable mounting on the terminal rail and prevent sliding. Versions with and without screws are available. The end brackets include marking options, also for group markers, and also a test plug holder.

General ordering data

| | | |
|------------|----------------------------|-------------------------------------------------------------|
| Type | WEW 35/1 V0 GF SW | Version |
| Order No. | 1478990000 | End bracket, black, TS 35, V-0, Wemid, Width: 12 mm, 130 °C |
| GTIN (EAN) | 4050118286892 | |
| Qty. | 50 pc(s). | |
| Type | WEW 35/2 V0 GF SW | Version |
| Order No. | 1479000000 | End bracket, black, TS 35, V-0, Wemid, Width: 8 mm, 130 °C |
| GTIN (EAN) | 4050118286779 | |
| Qty. | 50 pc(s). | |