

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

Conformal coating	Yes	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)
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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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Technical data

Connection data (input)

Conductor cross-section, AWG/kcmil ,
max.

12 AWG

Conductor cross-section, flexible , min.

0.2 mm²

Conductor cross-section, rigid , min.

0.2 mm²

Number of terminals

4 (+, +, -, -)

Wire connection cross section, flexible
(input), max.2.5 mm²Conductor cross-section, AWG/kcmil ,
min.

26 AWG

Conductor cross-section, rigid , max.

2.5 mm²

Connection system

PUSH IN

Screwdriver blade

0.6 x 3.5

Connection data (output)

Conductor cross-section, AWG/kcmil ,
max.

8 AWG

Conductor cross-section, flexible , max.

6 mm²

Conductor cross-section, rigid , max.

10 mm²

Connection system

PUSH IN

Screwdriver blade

0.6 x 3.5

Conductor cross-section, AWG/kcmil ,
min.

24 AWG

Conductor cross-section, flexible , min.

0.2 mm²

Conductor cross-section, rigid , min.

0.2 mm²

Number of terminals

2 (+ / -)

Connection data (signal)

Wire connection cross-section, flexible
(signal), max.1.5 mm²

Wire connection method

PUSH IN

Wire cross-section, AWG/kcmil , min.

24 mm²

Wire cross-section, solid , min.

0.2 mm²Wire connection cross-section, flexible
(signal), min.0.2 mm²

Wire cross-section, AWG/kcmil , max.

16

Wire cross-section, solid , max.

1.5 mm²

Classifications

ETIM 6.0

EC002850

ETIM 8.0

EC002850

ETIM 10.0

EC002850

ECLASS 9.1

27-04-92-90

ECLASS 11.0

27-04-06-92

ECLASS 13.0

27-04-06-92

ECLASS 15.0

27-04-06-92

ETIM 7.0

EC002850

ETIM 9.0

EC002850

ECLASS 9.0

27-04-06-92

ECLASS 10.0

27-04-06-92

ECLASS 12.0

27-04-06-92

ECLASS 14.0

27-04-06-92

Environmental Product Compliance

RoHS Compliance Status

Compliant with exemption

RoHS Exemption (if applicable/known)

7a, 7cl

REACH SVHC

Lead 7439-92-1

SCIP

cc374e6c-371c-484b-a36d-6c65c5030ae7

Approvals

Approvals



Approvals MAMID

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ROHS

Conform

UL File Number Search

UL Website

Certificate no. (cULus)

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Technical data

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