PRO RM 20

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	Redundancy module, 24 V DC
Order No.	2486100000
Type	PRO RM 20
GTIN (EAN)	4050118496833
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	38 mm	Width (inches)	1.496 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		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1

Input

Connection system	PUSH IN	DC input voltage range	10 ... 32 V DC
Input current	2 × 24 A (-40 °C ~ +45 °C), 2 × 20 A (+45 °C ~ +60 °C), 2 × 15 A (+70 °C)	Nominal power consumption	480 VA
Rated input voltage	24 V DC		

Output

Connection system	PUSH IN	Continous output current @ $U_{Nominal}$	1 × 48 A (-40 °C ~ +45 °C), 1 × 40 A (+45 °C ~ +60 °C), 1 × 30 A (+70 °C)
Output current, max.	48 A	Output power	952 W
Output voltage, max.	32 V	Output voltage, min.	9.8 V
Rated output voltage	V_{INPUT}-typ. 0.2 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.
Operating temperature	-40 °C...70 °C	Short-circuit protection	No
Weight	558 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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Technical data

Connection data (input)

Conductor cross-section, AWG/kcmil , max.	8	Conductor cross-section, AWG/kcmil , min.	24
Conductor cross-section, flexible , min.	0.2 mm²	Conductor cross-section, rigid , max.	10 mm²
Conductor cross-section, rigid , min.	0.2 mm²	Connection system	PUSH IN
Wire connection cross section, flexible (input), max.	6 mm²		

Connection data (output)

Conductor cross-section, AWG/kcmil , max.	4	Conductor cross-section, AWG/kcmil , min.	20
Conductor cross-section, flexible , max.	16 mm²	Conductor cross-section, flexible , min.	0.75 mm²
Conductor cross-section, rigid , max.	16 mm²	Conductor cross-section, rigid , min.	0.75 mm²
Connection system	PUSH IN	Number of terminals	2 (+ / -)

Connection data (signal)

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 mm²
Wire cross-section, solid , min.	0.2 mm²		

Approvals

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

Classifications

ETIM 6.0	EC002850	ETIM 7.0	EC002850
ETIM 8.0	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

Approvals

Approvals

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

Downloads

Approval/Certificate/Document of Conformity	DE_PA5200_170906_002
Engineering Data	CAD data – STEP
Engineering Data	EPLAN
User Documentation	Operating instructions
Catalogues	Catalogues in PDF-format

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