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 items

Weidmüller ⅀

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

www.weidmueller.com

Technical data

Approvals

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

Dimensions and weights

Depth	125 mm	Depth (inches)	4.9212 inch
Height	130 mm	Height (inches)	5.1181 inch
Width	30 mm	Width (inches)	1.1811 inch
Net weight	47 g		

Temperatures

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

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

Input

Connection system	PUSH IN	Rated input voltage	24 V DC
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		

Output

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

General data

Degree of efficiency	> 98%	Weight	497 g
Humidity	5-95% relative humidity, Tu = 40°C, without condensation	Protection degree	IP20
Mounting position, installation notice	Horizontal on TS35 mounting rail. 50 mm of clearance at top & bottom for air circ. Can	Derating	> 60°C / 75% @ 70°C

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	mount side by side with no space in between.		
Conformal coating	Yes	Short-circuit protection	No

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

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

Connection data (input)

Connection system	PUSH IN	Number of terminals	4 (+,+,−,−)
Screwdriver blade	0.6 x 3.5	Conductor cross-section, AWG/kcmil , max.	12 AWG
Conductor cross-section, AWG/kcmil , min.	26 AWG	Wire connection cross section, flexible (input), max.	2.5 mm²
Conductor cross-section, flexible , min.	0.2 mm²	Conductor cross-section, rigid , max.	2.5 mm²
Conductor cross-section, rigid , min.	0.2 mm²		

Connection data (output)

Connection system	PUSH IN	Number of terminals	2 (+ / -)
Conductor cross-section, AWG/kcmil , max.	8 AWG	Conductor cross-section, AWG/kcmil , min.	24 AWG
Conductor cross-section, flexible , max.	6 mm²	Conductor cross-section, flexible , min.	0.2 mm²
Conductor cross-section, rigid , max.	10 mm²	Conductor cross-section, rigid , min.	0.2 mm²
Screwdriver blade	0.6 x 3.5		

Connection data (signal)

Wire connection cross-section, flexible (signal), max.	1.5 mm²	Wire connection method	PUSH IN
Wire cross-section, AWG/kcmil , max.	16	Wire cross-section, solid , min.	0.2 mm²
Wire cross-section, solid , max.	1.5 mm²	Wire connection cross-section, flexible (signal), min.	0.2 mm²
Wire cross-section, AWG/kcmil , min.	24 mm²		

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		

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Accessories

End bracket

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 ST		
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 ST		

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 ST		