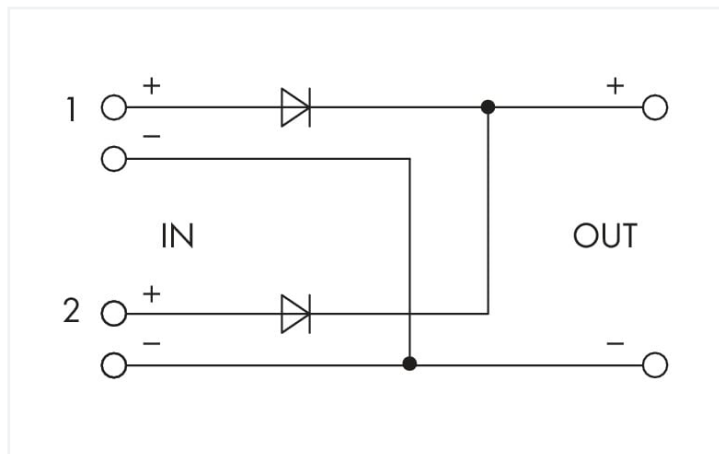


Data Sheet | Item Number: 787-885

Redundancy Module; 2 x 24 VDC input voltage; 2 x 20 A input current; 24 VDC output voltage; 40 A output current; communication capability; 10,00 mm²



<https://www.wago.com/787-885>



Features:

- Redundancy module with two inputs decouples two power supplies
- For redundant and fail-safe power supply
- With LED and potential-free contact for input voltage monitoring on site and remotely

Technical data

Input		Output	
Nominal input voltage $U_{i, \text{nom}}$	2 x DC 24 V	Nominal output voltage $U_{o, \text{nom}}$	DC 24 V
Input voltage range	2 x DC 18 ... 30 V	Output voltage range	DC 18 ... 30 V (U_o - voltage drop)
Nominal mains frequency range	0 Hz	Voltage drop	≤ 0.6 V (Input/output)
Input current I_i	≤ 20 A (per path); ≤ 40 A (in total)	Nominal output current $I_{o, \text{nom}}$	20 A (redundancy operation); 40 A (parallel operation)
		Nominal output power	960 W
		Output power (max.)	≤ 1200 W

Signaling and communication

Signaling	1 x OUT LED (green) 1 x IN1 LED (yellow) 1 x IN2 LED (yellow) 1 x Isolated relay contact (max. 30 VDC; 1 A)
Operation status indicator	Green LED (U_o) 2 x Yellow LED (U_i)

Efficiency/power losses

Power loss P_i	≤ 1.5 W; ≤ 14 W (24 VDC; 20 A); ≤ 26 W (48 VDC; 40 A)
Efficiency (typ.)	97 %

Circuit protection

Internal fuse	No
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Safety and protection

Isolation voltage (connectors – housing)	DC 0.5 kV
Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	Yes
Resistance to reverse feed	≤ DC 33 V
Pollution degree	2
Parallel operation	Yes
Series operation	Yes
MTBF	> 500,000 h (per IEC 61709)

Connection data

Connection type 1	Input/output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 831 Series
Solid conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm ² / 20 ... 8 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches
Connection type 2	Relay
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 231 Series
Solid conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length 2	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data

Width	40 mm / 1.575 inches
Height	181 mm / 7.126 inches
Depth from upper-edge of DIN-rail	163 mm / 6.417 inches
Note (dimensions)	Height with connector

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	0 MJ
Weight	972 g

Environmental requirements

Ambient temperature (operation)	-10 ... +60 °C
Ambient temperature (storage)	-25 ... +85 °C
Relative humidity	5 ... 96 % (no condensation permissible)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 60950 UL 60950 UL 508 EN 61000-6-2 EN 61000-6-3

Commercial data

Product Group	6 (INTERFACE ELECTRONIC)
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454909802
Customs tariff number	85044095900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals **Declarations of conformity and manufacturer's declarations**



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 020/2011	EAC_Certificate_RU_C- DE.AM02.B.00115_19
UL Underwriters Laboratories Inc.	UL 508	E255817
UL Underwriters Laboratories Inc.	UL 60950-1	E255815

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-885

Documentation

Bid Text			
787-885	15.07.2019	xml 5.98 KB	↓
787-885	15.07.2019	docx 21.98 KB	↓

Instruction Leaflet		
Redundanzmodul	pdf 272.24 KB	↓






CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-885 ↓	EPLAN Data Portal 787-885 ↓
	WSCAD Universe 787-885 ↓
	ZUKEN Portal 787-885 ↓

1 Compatible Products


1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker

			
<p>Item No.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p>Item No.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white</p>	<p>Item No.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>	<p>Item No.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white</p>
			
<p>Item No.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white</p>			

1.1.1.2 Marking strip

		
<p>Item No.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white</p>	<p>Item No.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white</p>	<p>Item No.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white</p>

1.1.2 Mounting adapter

1.1.2.1 DIN-rail adapter



Item No.: 787-897

Carrier rail adapter made of zinc die-cast; for mounting 787-8xx devices to a DIN 35 rail

Item No.: 787-896

Carrier rail adapter; for mounting 787-8xx devices to a DIN 35 rail

1.1.2.2 Wall-mount adapter



Item No.: 787-895

Mounting carrier; for screw fixing of 787-8xx devices on mounting plate or wall without DIN 35 rail

1.1.3 Tool

1.1.3.1 Operating tool



Item No.: 210-720

Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured

Item No.: 210-721

Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured