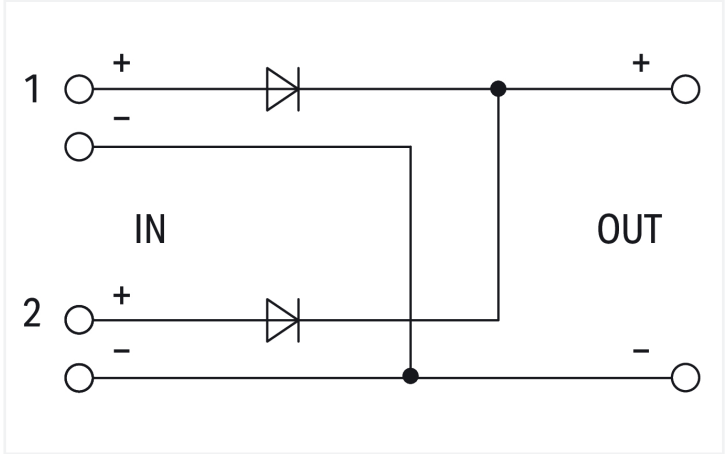


Data Sheet | Item Number: 787-885

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 $U_{i\,nom}$	2 x 24 VDC	Nominal output voltage $U_{o\,nom}$	24 VDC
Input voltage range	2 x 18 ... 30 VDC	Output voltage range	18 ... 30 VDC (U_e – 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 $I_{o\,nom}$	20 A (redundancy operation); 40 A (Parallel operation)
		Nominal output power	960 W
		Output power (max.)	≤ 1200 W
Signaling and communication		Efficiency/power losses	
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)	Power loss P_i	≤ 1.5 W; ≤ 14 W (24 VDC; 20 A); ≤ 26 W (48 VDC; 40 A)
Operation status indicator	Green LED (U_o) 2 x Yellow LED (U_i)	Efficiency (typ.)	97 %
Circuit protection			
Internal fuse	No		



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

Connection data			
Connection 1		Connection 2	
Connection type 1	Input/output	Connection type	Relay
Connection technology	Push-in CAGE CLAMP®	Connection technology	CAGE CLAMP®
WAGO connector	WAGO 831 Series	WAGO connector 2	WAGO 231 Series
Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches	Strip length	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

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 9.0	EC002540
ETIM 8.0	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

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
  		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 508	E255817
UR Underwriters Laboratories Inc.	UL 60950-1	E255815

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-885	

Documentation			
Bid Text			Instruction Leaflet
787-885	15.07.2019	xml 5.98 KB	
787-885	15.07.2019	docx 21.98 KB	
			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




Item No.: 2009-145
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white




Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white



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



Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white



Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

1.1.1.2 Marking strip



Item No.: 2009-110
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white




Item No.: 210-831
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white




Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

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