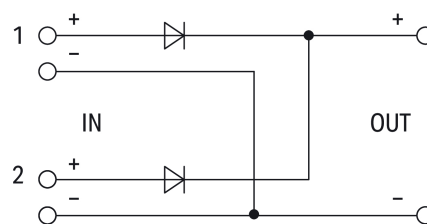


Data Sheet | Item Number: 787-886

Redundancy Module; 2 x 48 VDC input voltage; 2 x 20 A input current; 48 VDC output voltage; 40 A output current; communication capability; 10,00 mm²

<https://www.wago.com/787-886>



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 48 VDC	Nominal output voltage $U_{o\text{nom}}$	48 VDC
Input voltage range	2 x 36 ... 54 VDC	Output voltage range	36 ... 54 VDC (U_e - voltage drop)
Nominal mains frequency range	0 Hz	Voltage drop	≤ 1 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	1920 W
		Output power (max.)	≤ 2160 W

Signaling and Communication

Signaling	1 x LED OUT (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	≤ 1.7 W (48 VDC; no load); ≤ 20 W (48 VDC; 20 A); ≤ 40 W (48 VDC; 40 A)
Efficiency (typ.)	96 %

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	≤ 60 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	Input/output	Connection type	Relay
Connection technology	Push-in CAGE CLAMP®	Connection technology	CAGE CLAMP®
WAGO connector	WAGO 831 Series	WAGO connector	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	
Weight	860 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 EN 61000-6-2 EN 61000-6-3
Standards/specifications (pending)	UL 60950 UL 508

Commercial data		
Product Group	6 (INTERFACE ELECTRONIC)	
PU (SPU)	1 pcs	
Packaging type	Box	
Country of origin	DE	
GTIN	4050821262725	
Customs tariff number	85049017000	

Product Classification		
UNSPSC	39121004	
eCl@ss 10.0	27-04-07-01	
eCl@ss 9.0	27-04-07-01	
ETIM 9.0	EC002540	
ETIM 10.0	EC002540	
ECCN	NO US CLASSIFICATION	

Environmental Product Compliance		
RoHS Compliance Status	Compliant, No Exemption	

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC	TP TC 020/2011	EAC CoC 03081
GZO Almaty Standart		

Declarations of conformity and manufacturer's declarations

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-886

↓

Documentation

Bid Text

787-886	15.07.2019	xml 6.02 KB	↓
787-886	15.07.2019	docx 22.27 KB	↓

Instruction Leaflet

Redundanzmodul	pdf 272.24 KB	↓
----------------	------------------	---



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-886 	EPLAN Data Portal 787-886 
	WSCAD Universe 787-886 

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	
	
<u>Item No.: 787-897</u> Carrier rail adapter made of zinc die-cast; for mounting 787-8xx devices to a DIN 35 rail; gray	<u>Item No.: 787-896</u> Carrier rail adapter; for mounting 787-8xx devices to a DIN 35 rail; gray

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; gray



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