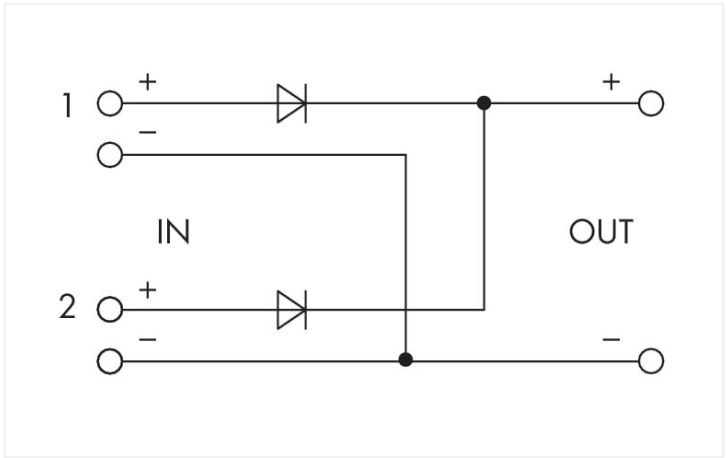


Data Sheet | Item Number: 787-885

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 DC 24 V	Nominal output voltage $U_{o\,nom}$	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 $I_{o\,nom}$	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)
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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



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 mm² / 20 ... 8 AWG
Fine-stranded conductor		0.5 ... 10 mm² / 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 mm² / 28 ... 12 AWG
Fine-stranded conductor 2		0.08 ... 2.5 mm² / 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

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