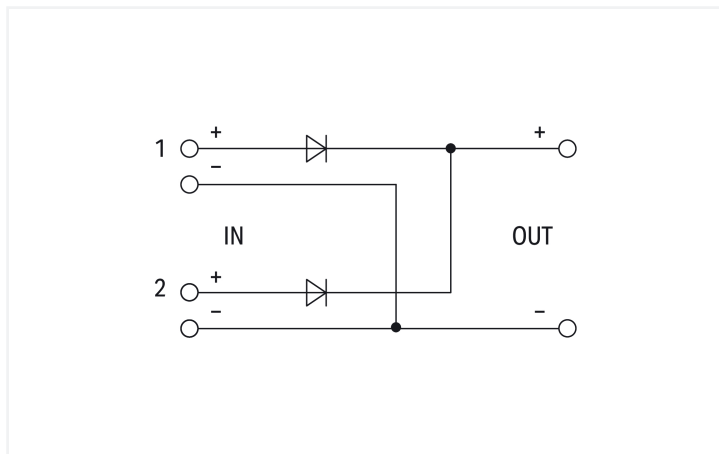


Data Sheet | Item Number: 787-783

Redundancy Module; 2 x 9 ... 54 VDC input voltage; 2 x 12.5 A input current; 9–54 VDC output voltage; 25 A output current

<https://www.wago.com/787-783>



Features:

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

Technical data

Input

Nominal input voltage $U_{i\text{nom}}$	2 x 24 VDC
Input voltage range	2 x 9 ... 54 VDC
Nominal mains frequency range	0 Hz
Input current I_i	≤ 12.5 A (per path); ≤ 25 A (in total)

Output

Nominal output voltage $U_{o\text{nom}}$	24 VDC
Output voltage range	9 ... 54 VDC (U_e – voltage drop)
Voltage drop	≤ 0.8 V (Input/output)
Nominal output current $I_{o\text{nom}}$	12.5 A (redundancy operation); 25 A (parallel operation)
Nominal output power	600 W
Output power (max.)	≤ 1350 W

Signaling and Communication

Signaling	1 x IN1 LED (green) 1 x IN2 LED (green) 1 x LED OUT (green)
Operation status indicator	2 x green LED ($U_e > 7.5$ VDC) 1 x Green LED ($U_o > 7.5$ VDC)

Efficiency/Power Losses

Power loss P_l	≤ 19 W (nominal load)
Efficiency (typ.)	96 %

Safety and protection

Isolation voltage (connectors – housing)	0.5 kVDC
Protection class	III
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 60 VDC
Pollution degree	2
Overvoltage protection; secondary	No
Short-circuit-protected	No
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	No
MTBF	> 10 million h (per IEC 61709)

Connection Data

Connection 1

Connection type	Input/output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2706 Series
Solid conductor	0.5 ... 6 mm ² / 20 ... 10 AWG
Fine-stranded conductor	0.5 ... 6 mm ² / 20 ... 10 AWG
Strip length	11 ... 12 mm / 0.43 ... 0.47 inches

Physical data

Width	50 mm / 1.969 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	92 mm / 3.662 inches

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	0 MJ
Weight	459 g

Environmental requirements

Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	≤ 95 % (no condensation permissible)
Derating	-2.66 %/K (55 °C < T _u ≤ 70 °C)
Climatic category	3K3 (per EN 60721; except for low air pressure)
Resistance to shock and vibration	Shock: 15g (per EN 60068-2-27)

Standards and Specifications

Conformity marking	CE
Standards/specifications	UL 508

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143036290
Customs tariff number	85044095900

Product Classification

UNSPSC	39121008
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
SCIP notification number (Bulgaria)	ee8b3ea5-15c1-45d9-8bcc-d73670c4c6fe
SCIP notification number (Czech Republic)	30618d2b-98b4-4bd3-9376-269bf618f4a8

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 508	E255817
UL Underwriters Laboratories Inc.	-	E484199

Declarations of conformity and manufacturer's declarations

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

Downloads

Environmental Product Compliance

Compliance Search	
Environmental Product Compliance 787-783	

Documentation

Bid Text			
787-783	15.07.2019	xml 5.51 KB	↓
787-783	15.07.2019	docx 21.38 KB	↓

Instruction Leaflet			
Diode Redundancy Module	V 1.2.0 29.09.2021	pdf 3799.12 KB	↓

CAD/CAE-Data

CAD data	
2D/3D Models 787-783	↓

CAE data	
EPLAN Data Portal 787-783	↓
WSCAD Universe 787-783	↓
ZUKEN Portal 787-783	↓