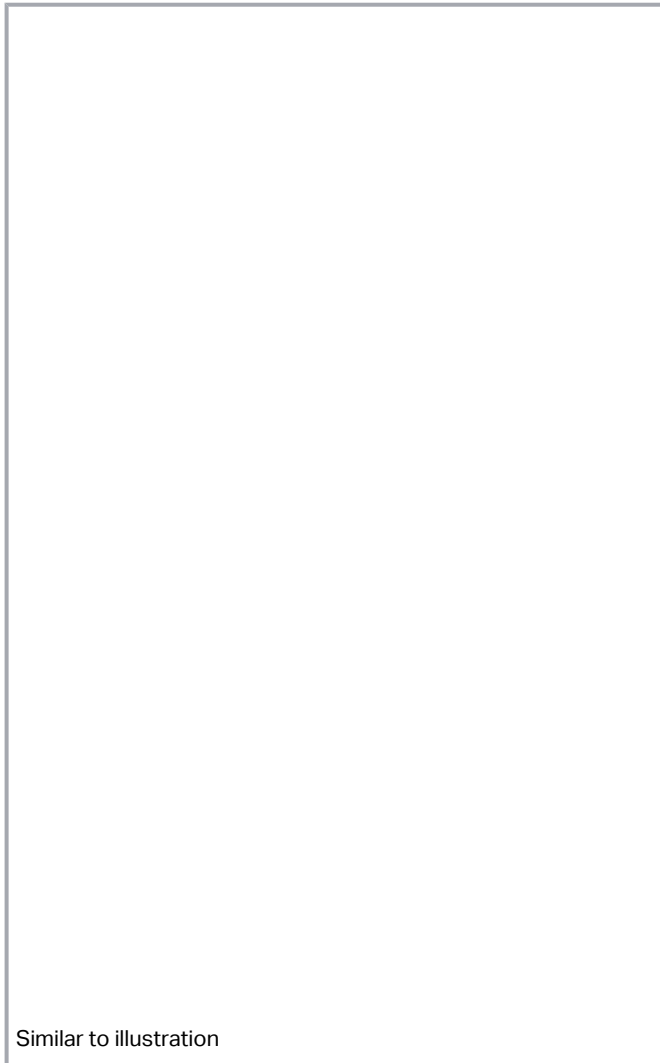


Data sheet | Item number: 787-785

Redundancy Module; 2 x 9 ... 54 VDC input voltage; 2 x 40 A input current; 9–54 VDC output voltage; 76 A output current

www.wago.com/787-785



Item description

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

Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
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Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Data

Technical data

Input

Nominal input voltage $U_{i \text{ nom}}$	2 x DC 24 V
Input voltage range	2 x DC 9 ... 54 V
Nominal mains frequency range	0 Hz
Input current I_i	≤ 40 A (per path); ≤ 76 A (in total)

Output

Nominal output voltage $U_{o \text{ nom}}$	DC 24 V
Output voltage range	DC 9 ... 54 V (U_e - voltage drop)
Voltage drop	≤ 500 mV (Input/output)
Nominal output current $I_{o \text{ nom}}$	40 A (redundancy operation); 65 A (Parallel operation [UL]); 76 A (Parallel operation)
Nominal output power	1824 W

Signaling and Communication

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

Efficiency/power losses

Power loss P_i	≤ 38 W (nominal load)
Efficiency (typ.)	97 %

Safety and protection

Protection class	III
Protection type	IP20; per EN 60529
Pollution degree	2
Overvoltage protection; secondary	No
Short-circuit-protected	No

Subject to changes. Please also observe the further product documentation!



Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	No
MTBF	> 10 million h (per IEC 61709)

Connection data

Connection type 1	Input/output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2716 Series
Solid conductor	1.5 ... 16 mm ² / 16 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm ² / 16 ... 6 AWG
Strip length	12 ... 13 mm / 0.47 ... 0.51 inches

Physical data

Width	83 mm / 3.268 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	153 mm / 6.024 inches

Mechanical Data

Mounting type	DIN-35 rail
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Material Data

Weight	992 g
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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

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Commercial data

eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
Recupel Type	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143036306
Customs tariff number	85044095900

Environmental Product Compliance

RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	7(a) 7(c)-I 7(c)-II
SCIP notification number (Bulgaria)	75cbc6ca-380f-491f-9b29-12c9e6632df9
SCIP notification number (Czech Republic)	4969e245-4a19-46ff-9f47-4c2740f21a13

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Downloads

Documentation

Bid Text

787-785 2019 年7月15日 docx Download

Subject to changes. Please also observe the further product documentation!

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787-785	2019 年7月15 日	xml	Download
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Instruction Leaflet

Diode Redundancy Module	V 1.2.0	pdf	Download
DC 24 V, 40 A	2021 年9月29 日	3.9 MB	

Additional Information

Disposal and Recycling	V 1.1.0	pdf	Download
Electrical and electronic equipment, Batteries, Packaging	2022 年8月18 日	2.2 MB	

CAD/CAE-Data

CAD data

2D/3D Models 787-785	URL	Download
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CAE data

EPLAN Data Portal 787-785	URL	Download
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WSCAD Universe 787-785	URL	Download
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ZUKEN Portal 787-785	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-785	URL	Download
Redundancy Module; 2 x 9 ... 54 VDC input voltage; 2 x 40 A input current; 9-54 VDC output voltage; 76 A output current		

Installation Notes

Subject to changes. Please also observe the further product documentation!