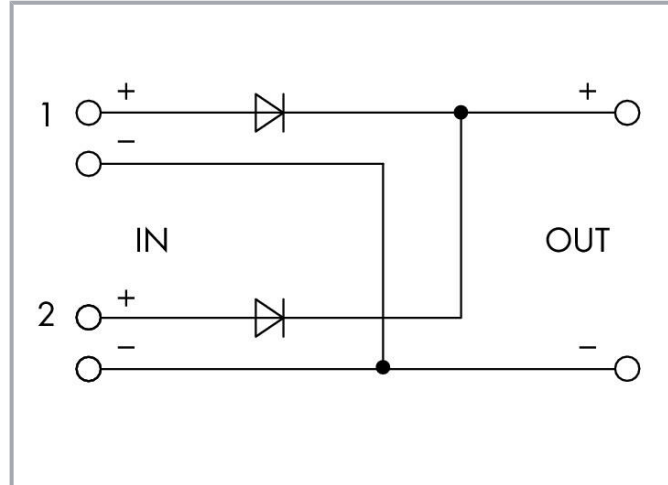


Data sheet | Item number: 787-885

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



www.wago.com/787-885



Item description

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

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

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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 18 ... 30 V
Nominal mains frequency range	0 Hz
Input current I_i	≤ 20 A (per path); ≤ 40 A (in total)

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V
Output voltage range	DC 18 ... 30 V (U_e - voltage drop)
Voltage drop	≤ 0.6 V (Input/output)
Nominal output current $I_{o\text{ nom}}$	20 A (redundancy operation); 40 A (parallel operation)
Nominal output power	960 W

Signaling and Communication

Signaling	1 x OUT LED (green) 1 x IN1 LED (yellow) 1 x IN2 LED (yellow)
Operation status indicator	Green LED (U_o) 2 x Yellow LED (U_i)

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
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Safety and protection

Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	Yes

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



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 mm ² / 20 ... 8 AWG
Fine-stranded conductor	0.5 ... 10 mm ² / 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 mm ² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm ² / 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 Height with connector

Mechanical Data

Mounting type	DIN-35 rail
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Material Data

Weight	972 g
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Environmental requirements

Ambient temperature (operation)	-10 ... +60 °C
Ambient temperature (storage)	-25 ... +85 °C
Relative humidity	5 ... 96 % (no condensation permissible)

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

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

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC_Certificate_RU_C-DE.AM02.B.00115_19
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815
	UL Underwriters Laboratories Inc.	UL 508	E255817



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

Declarations of conformity and manufacturer's declarations







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

Optional accessories

Tool

Operating tool		
	Item no.: 210-721 Operating tool; Blade: 5.5 x 0.8 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-721
	Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	www.wago.com/210-720

Marking accessories

Marking strip		
	Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white	www.wago.com/2009-110
	Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white	www.wago.com/210-831
	Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white	www.wago.com/210-832
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	www.wago.com/2009-145
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/248-501

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



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

www.wago.com/793-501

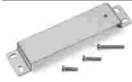


Item no.: 793-5501
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

www.wago.com/793-5501

Mounting adapter

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

www.wago.com/787-895

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

www.wago.com/787-897



Item no.: 787-896
Carrier rail adapter; for mounting 787-8xx devices to a DIN 35 rail

www.wago.com/787-896

Downloads

Documentation

Bid Text

787-885 X81 - Datei	2019 Jul 15	xml 6.1 kB	Download
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787-885 docx - Datei	2019 Jul 15	docx 22.5 kB	Download
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Instruction Leaflet

Redundanzmodul DC 24 V, 20 A		pdf 278.8 kB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 787-885		URL	Download
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Subject to changes. Please also observe the further product documentation!



CAE data

WSCAD Universe 787-885	URL	Download
ZUKEN Portal 787-885	URL	Download
EPLAN Data Portal 787-885	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 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 mm ²	URL	Download
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Installation Notes

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