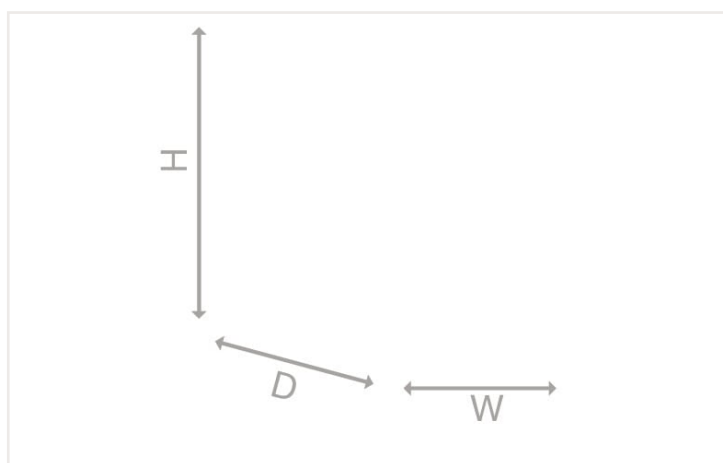
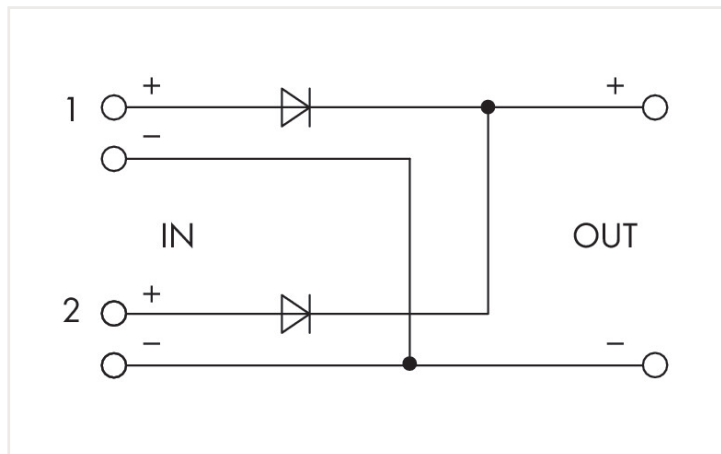


Data sheet | Item number: 787-783

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 DC 24 V
Input voltage range	2 x DC 9 ... 54 V
Nominal mains frequency range	0 Hz
Input current I_i	$\leq 12.5 \text{ A}$ (per path); $\leq 25 \text{ A}$ (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	$\leq 0.8 \text{ V}$ (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.)	$\leq 1350 \text{ W}$

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)

Efficiency/power losses

Power loss P_i	$\leq 19 \text{ W}$ (Nominal load)
Efficiency (typ.)	96 %

Safety and protection

Isolation voltage (connectors – housing)	DC 0.5 kV
Protection class	III
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ DC 60 V
Pollution degree	2
Overvoltage protection; secondary	No
Short-circuit-protected	No
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	No
MTBF	

Connection data

Connection type 1	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	470 g

Environmental requirements

Ambient temperature (operation at U _N)	-25 ... 70 °C
Surrounding air temperature (storage)	-40 ... +85 °C
Relative humidity	≤ 95% (no condensation permissible)
Derating	-2.66 %/K (55 °C u)
Resistance to shock and vibration	Shock: 15g (per EN 60068-2-27)

Standards and specifications

Conformity marking	CE
Standards/specifications	UL 508

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
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4055143036290
Customs tariff number	85044090900

Approvals and certificates

General approvals



Approval	Standard	Certificate name
UL Underwriters Laboratories Inc.	UL 508	E255817

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-783	↓
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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	↓
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CAD/CAE-Data

CAD data

2D/3D Models 787-783	↓
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CAE data

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

1 Compatible products

1.1 Optional accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item no.: 216-241

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



Item no.: 216-201

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white



Item no.: 216-221

Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white



Item no.: 216-242

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item no.: 216-262

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item no.: 216-202

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item no.: 216-222

Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item no.: 216-243

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item no.: 216-263

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red



Item no.: 216-203

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item no.: 216-223

Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item no.: 216-204

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item no.: 216-224

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item no.: 216-244

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item no.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item no.: 216-284

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black



Item no.: 216-205

Ferrule; Sleeve for 2.08 mm² / AWG 14; insulated; electro-tin plated; yellow



Item no.: 216-206

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue



Item no.: 216-246

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item no.: 216-266

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item no.: 216-286

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue



Item no.: 216-267

Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item no.: 216-287

Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



Item no.: 216-207

Ferrule; Sleeve for 4 mm² / AWG 12; insulated; electro-tin plated; gray



Item no.: 216-208

Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow



Item no.: 216-288

Ferrule; Sleeve for 6 mm² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow