

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

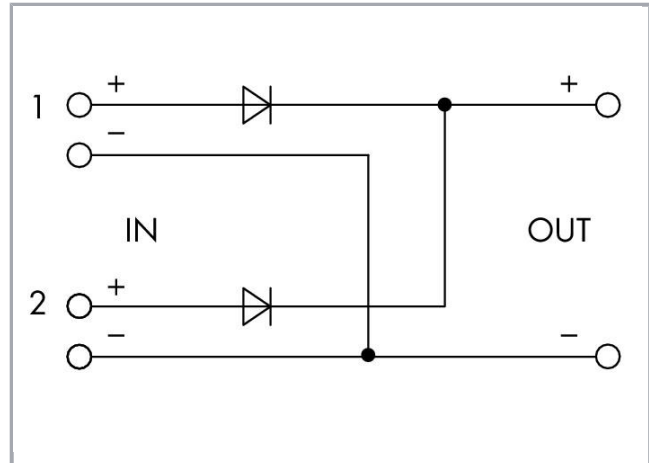
www.wago.com/787-783



Similar to illustration

RoHS
Compliant

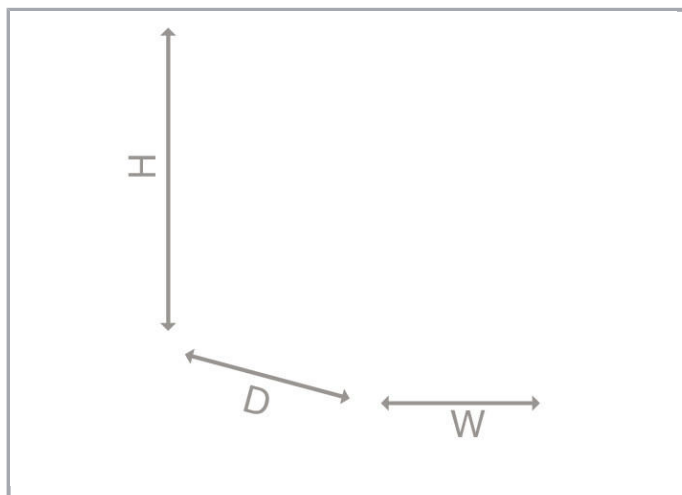
BOMcheck.net



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

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Item description

Features:

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

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	$\leq 12,5 \text{ A}$ (per path)

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 $I_{o \text{ nom}}$	25 A
Nominal output power	600 W
Max. output power	$\leq 1350 \text{ W}$

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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_l	≤ 19 W (nominal load)
Efficiency (typ.)	96 %

Safety and protection:

Insulation voltage (connectors-housing)	DC 0,5 kV
Protection class	III
Protection class	IP20 (per EN 60529)
Feedback voltage	$\leq$ DC 60 V
Overvoltage protection, secondary	No
Short circuit protection	No
No-load proof	Yes
Parallel operation	Yes
Series connection	No
MTBF	> 10 million h (per IEC 61709)

Connection data

Connection type (1)	Input/Output
Connection technology	Push-in CAGE CLAMP®
WAGO terminal	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 inch

Geometrical Data

Width	50 mm / 1.969 inch
Height	130 mm / 5.118 inch
Length from upper-edge of DIN-35 rail	92 mm / 3.662 inch

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Mechanical data

Type of mounting	DIN-35 rail (EN 60715)
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Material Data

Weight	470 g
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Environmental Requirements

Surrounding air (operating) temperature	-25 ... 70 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Relative humidity	≤ 95% (no condensation permissible)
Derating	-2.66 %/K (55 °C < T _{amb} ≤ 70 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721; except for low air pressure)
Shock and vibration resistance	Shock: 15g (per EN 60068-2-27)

Standards and specifications

Conformity marking	CE
Standards/specifications	UL 508

Commercial data

Packaging type	BOX
Country of origin	CN
GTIN	4055143036290
Customs Tariff No.	85044090900

Approvals / Certificates

UL-Approvals

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

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Counterpart

Compatible products

ferrule

	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-202
	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-204
	Item no.: 216-205 Ferrule; Sleeve for 2.08 mm ² / AWG 14; insulated; electro-tin plated; yellow	www.wago.com/216-205
	Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue	www.wago.com/216-206
	Item no.: 216-207 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; gray	www.wago.com/216-207
	Item no.: 216-208 Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow	www.wago.com/216-208
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-221
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray	www.wago.com/216-222
	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red	www.wago.com/216-223
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black	www.wago.com/216-224
	Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white	www.wago.com/216-241
	Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-242
	Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-243

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	Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-244
	Item no.: 216-246 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	www.wago.com/216-246
	Item no.: 216-262 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-262
	Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red	www.wago.com/216-263
	Item no.: 216-264 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-264
	Item no.: 216-266 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	www.wago.com/216-266
	Item no.: 216-267 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-267
	Item no.: 216-284 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black	www.wago.com/216-284
	Item no.: 216-286 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue	www.wago.com/216-286
	Item no.: 216-287 Ferrule; Sleeve for 4 mm ² / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray	www.wago.com/216-287
	Item no.: 216-288 Ferrule; Sleeve for 6 mm ² / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; yellow	www.wago.com/216-288

Downloads

Documentation

Instruction Leaflet

EPSITRON-Dioden-Redundanzmodul DC 24 V, 12,5 A	V 2.0.0	pdf 677.4 kB	Download
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Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 787-783	URL	Download
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CAE data

EPLAN Data Portal 787-783	URL	Download
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WSCAD Universe 787-783	URL	Download
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Installation Notes

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