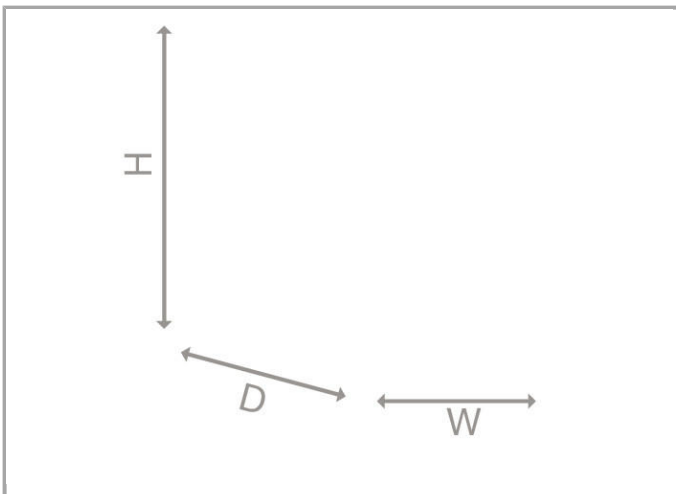
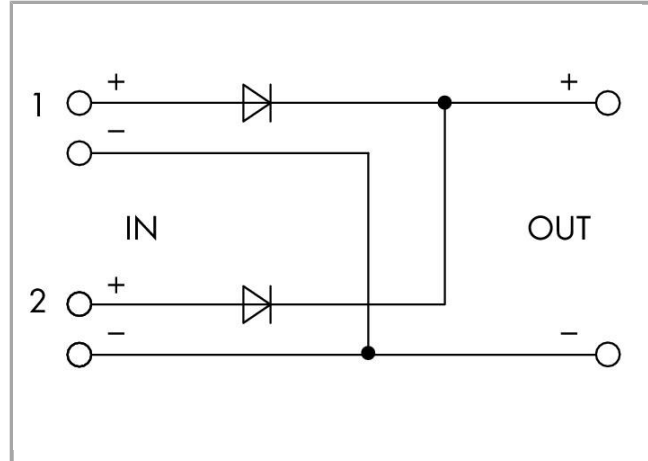


# Data sheet | Item number: 787-785

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



787-785



## 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 $I_i$	≤ 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 ( $U_i$ – voltage drop)
Voltage drop	≤ 500 mV (Input/Output)
Nominal output current $I_{o\text{ nom}}$	76 A (UL: max. 65 A)
Nominal output power	1824 W
Max. output power	≤ 4,104 W

#### Signaling and communication

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

#### Efficiency/Power losses:

Power loss $P_v$	≤ 38 W (nominal load)
Efficiency	97 %

#### Safety and protection:

Insulation voltage (connectors-housing)	DC 0.5 kV
Protection class	III
Protection class	IP20 (per EN 60529)
Feedback voltage	≤ 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 2716 Series
Solid conductor	1.5 ... 16 mm <sup>2</sup> / 16 ... 6 AWG
Fine-stranded conductor	1.5 ... 16 mm <sup>2</sup> / 16 ... 6 AWG
Strip length	12 ... 13 mm / 0.47 ... 0.51 inch

### Geometrical Data

Width	83 mm / 3.268 inch
Height	130 mm / 5.118 inch
Length from upper-edge of DIN-35 rail	153 mm / 6.024 inch

### Mechanical data

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

### Material Data

Weight	960 g
--------	-------

### 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 <sub>amb</sub> ≤ 70 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721; except for low air pressure)
Shock and vibration resistance	Shock: 15 g (per EN 60068-2-27)

### Standards and specifications


Conformity marking	1
Standards/specifications	UL 508

## Commercial data

Country of origin	CN
GTIN	4055143036306
Customs Tariff No.	85044090900












## Approvals / Certificates












### UL-Approvals

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

## Compatible products

### ferrule

	<b>Item no.: 216-201</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated	216-201
	<b>Item no.: 216-202</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated	216-202
	<b>Item no.: 216-203</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated	216-203
	<b>Item no.: 216-204</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated	216-204
	<b>Item no.: 216-205</b> Ferrule; Sleeve for 2.08 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated	216-205
	<b>Item no.: 216-206</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated	216-206
	<b>Item no.: 216-207</b> Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated	216-207
	<b>Item no.: 216-208</b> Ferrule; Sleeve for 6 mm <sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-208
	<b>Item no.: 216-209</b> Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated	216-209
	<b>Item no.: 216-224</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated	216-224
	<b>Item no.: 216-244</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-244

	<b>Item no.: 216-246</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-246
	<b>Item no.: 216-264</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-264
	<b>Item no.: 216-266</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-266
	<b>Item no.: 216-267</b> Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-267
	<b>Item no.: 216-284</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-284
	<b>Item no.: 216-286</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-286
	<b>Item no.: 216-287</b> Ferrule; Sleeve for 4 mm <sup>2</sup> / AWG 12; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-287
	<b>Item no.: 216-288</b> Ferrule; Sleeve for 6 mm <sup>2</sup> / AWG 10; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-288
	<b>Item no.: 216-289</b> Ferrule; Sleeve for 10 mm <sup>2</sup> / AWG 8; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90	216-289
<b>Marking accessories</b>		
	<b>Item no.: 210-831</b> Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive	210-831
	<b>Item no.: 210-832</b> Marking strips; on reel; 3 mm wide; plain; Self-adhesive	210-832

**Downloads****Documentation****Bid Text**

787-785 Stromversorgung EPSITRON	Jan 14, 2016	doc 38.9 kB	Download
-------------------------------------	--------------	----------------	----------

**Instruction Leaflet**

EPSITRON Diode Redundancy Module 24 VDC, 40 A	V 2.0.0	pdf 677.4 kB	Download
--	---------	-----------------	----------

**Additional Information**

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
--	---------	-----------------	----------



**CAD/CAE - Smart Data**

CAD data

3D Download 787-785

URL

Download

---

Subject to changes.

---