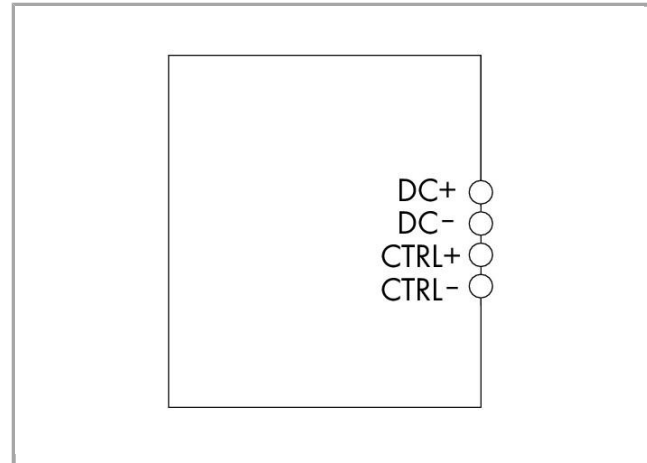


Data sheet | Item number: 787-876

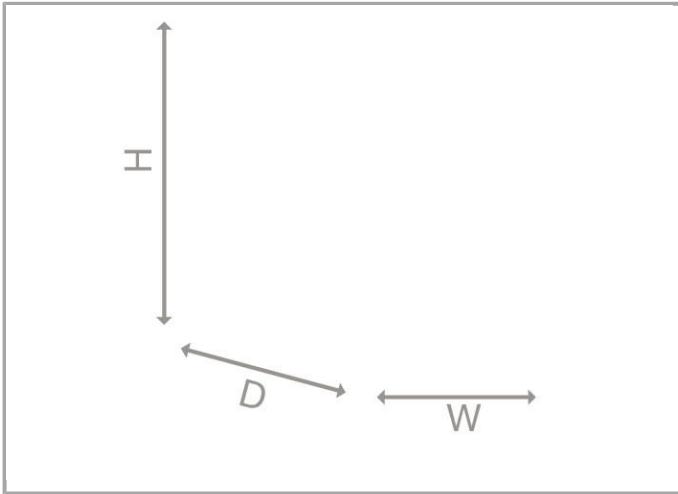
Lead-acid AGM battery module; 24 VDC input voltage; 7.5 A output current;
1.2 Ah capacity; with battery control



787-876



RoHS Compliant  Similar to picture



Item description

Features:

- Lead-acid, absorbed glass mat (AGM) battery module for uninterruptible power supply (UPS)
- Can be connected to both 787-870 UPS Charger and Controller and 787-1675 Power Supply with integrated UPS charger and controller
- Parallel operation provides higher buffer time
- Built-in temperature sensor
- DIN-35-rail mounting
- Battery control (from manufacturing no. 216570 onwards) detects both battery life and battery type

Note:

For parallel connection, please switch battery capacity setting to "OFF" in the UPS charger and controller.

Data

Technical Data

Input

Nominal input voltage $U_{i\text{nom}}$	DC 24 V
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Output

Nominal output voltage $U_{o\text{nom}}$	DC 24 V
--	---------

Nominal output current $I_{o\text{nom}}$	7.5 A
--	-------

Energy storage

Battery capacity	1.2 Ah
------------------	--------



Charging current	≤ 0.3 A
End-of-charge voltage	DC 27 V (25 °C)

Signaling and communication

Signaling	Battery Control (C+, C-)
-----------	--------------------------

Fuse protection:

Internal fuse	T 15 A
---------------	--------

Safety and protection:

Protection class	III
Protection class	IP20 (per EN 60529)
Series connection	No
MTBF	> 500,000 h (per IEC 61709)
Service life typ.	5 / 4 / 2 a (20 / 30 / 40 °C)

Connection data

Connection type (1)	Input/Output/Battery control
Connection technology	CAGE CLAMP®
WAGO terminal	WAGO 231 Series
Solid conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Max. line length	3 m (Input, Output, Battery Control)

Geometrical Data

Width	55 mm / 2.165 inch
Height	153 mm / 6.024 inch
Length from upper-edge of DIN-35 rail	126.6 mm / 4.984 inch
Note on dimensions	Height including female connector

Mechanical data

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

Material Data

Weight	2140 g
--------	--------

Environmental Requirements

Surrounding air (operating) temperature	-10 ... 40 °C
Surrounding air (storage) temperature	-20 ... 40 °C
Pollution degree	2

Standards and specifications


Conformity marking	1
Standards/specifications	Battery is tested to UL 508

Commercial data

Product Group	6 (Interface Electronics)
Country of origin	DE
GTIN	4050821298243
Customs Tariff No.	85072080900





Approvals / Certificates

















UL-Approvals

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

Compatible products

General accessories

	Item no.: 787-1675 Switched-mode power supply with integrated charger and controller; Classic; 1-phase; 24 VDC output voltage; 5 A output current; communication capability	787-1675
	Item no.: 787-870 UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage; 10 A output current; LineMonitor; communication capability	787-870
ferrule		
	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated	216-201
	Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated	216-202

	Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated	216-203
	Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated	216-204
	Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated	216-221
	Item no.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated	216-222
	Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated	216-223
	Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated	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	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	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	216-243
	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	216-244
	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	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	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	216-264
	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	216-284
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated	216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated	216-302
	Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated	216-321
	Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated	216-322

tools



Item no.: 210-720

210-720

Operating tool with partially insulated shaft; Type 2, blade (3.5 x 0.5) mm

Marking accessories


Item no.: 210-831

210-831

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive



Item no.: 210-832

210-832

Marking strips; on reel; 3 mm wide; plain; Self-adhesive

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