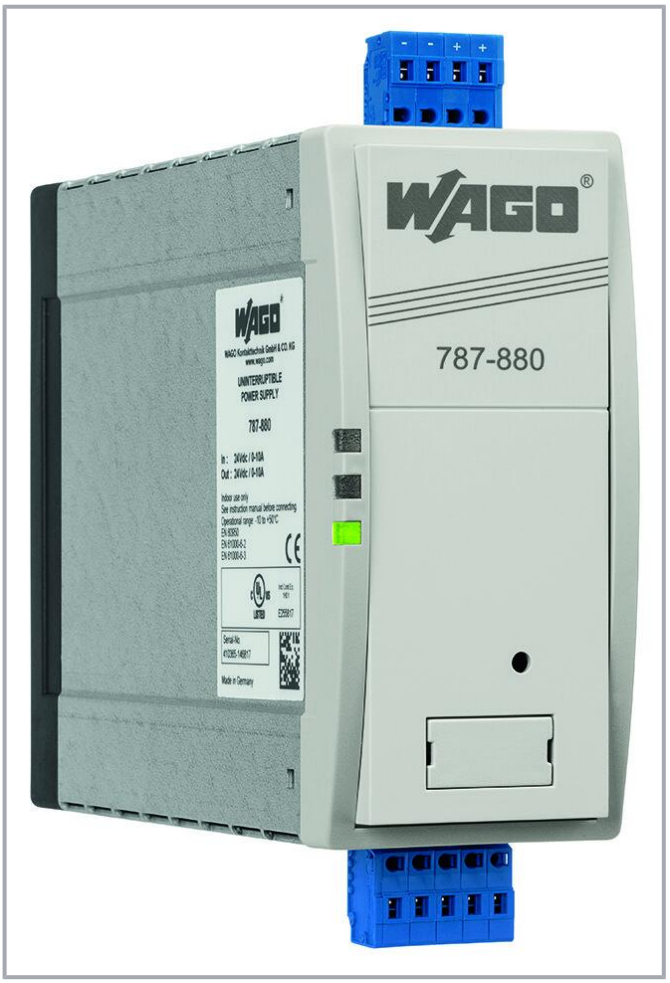
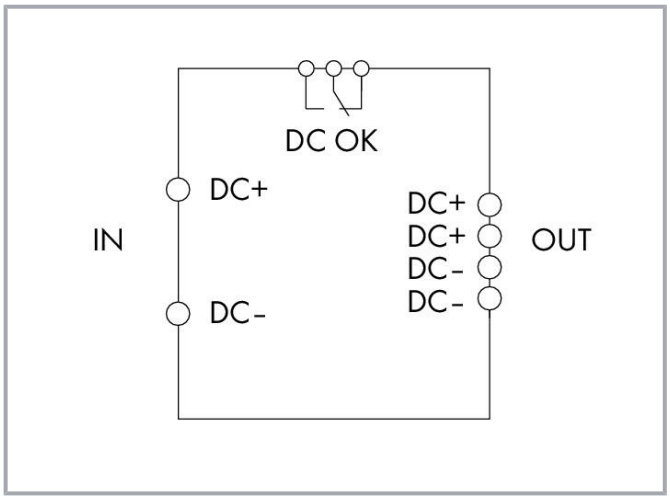
Data sheet | Item number: 787-880

capacitive buffer module; 24 VDC input voltage; 24 VDC output voltage; 10 A output current; 0.06 … 7.2 s buffer time; communication capability; 2,50 mm²

www.wago.com/787-880





Item description

Features:

- Capacitive buffer module bridges short duration voltage drops or load fluctuations
- For an uninterruptible power supply
- Internal diode between input and output enables operation with a decoupled output
- Buffer modules can be readily parallel-connected to increase buffer time or load current
- Potential-free contact for charge condition monitoring

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

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Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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Data
Technical data

Input

Nominal input voltage $U_{i\ nom}$	DC 24 V
Input voltage range	DC 20 … 30 V
Nominal mains frequency range	0 Hz
Input current I_i	≤ 0.06 A (No load); ≤ 1 A (Charging); ≤ 11 A

Output

Nominal output voltage $U_{o\ nom}$	DC 24 V
Output voltage range	U_i – 0.5 VDC (rated operation); 20.4 … 24 VDC (buffer mode)
Nominal output current $I_{o\ nom}$	10 A
Current limitation	1.1 x $I_{o\ nom}$ (typ.)

Energy storage systems

Buffer time	0.06 … 7.2 s depends on load current and switch-on threshold
Switch-on threshold (adjustable)	DC 20 … 24 V
Charging time (typ.)	5 min

Signaling and communication

Signaling	1 x LED DC OK (green) 1 x Charge LED (yellow) 1 x DC not OK LED (red)
Operation status indicator	Green LED (U_o > 20 V) Yellow LED (charging) Red LED (U_o < 20 V)

Efficiency/power losses

Power loss P_l	≤ 1.5 W; ≤ 6.5 W (nominal load)

Safety and protection

Protection class	III

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Protection type	IP20; per EN 60529
Reverse voltage protection	yes
Pollution degree	2
Parallel operation	Yes
Series operation	No
MTBF	typ. 87,600 h (at 25 °C); typ. 30,500 h (at 40 °C)

Connection data

Connection type 1	Input/Output/Relay
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 231 Series
Solid conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Fine-stranded conductor	0.08 … 2.5 mm² / 28 … 12 AWG
Strip length	8 … 9 mm / 0.31 … 0.35 inches

Physical data

Width	57 mm / 2.244 inches
Height	163 mm / 6.417 inches
Depth from upper-edge of DIN-rail	179 mm / 7.047 inches
Note (dimensions)	Height with connector

Mechanical data

Mounting type	DIN-35 rail

Material data

Weight	1000 g

Environmental requirements

Ambient temperature (operation)	-10 … +50 °C
Ambient temperature (storage)	-10 … +60 °C
Relative humidity	5 … 96 % (no condensation permissible)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 60950 UL 508

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	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
Recupel Type	
ECCN	NO DATA
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454909833
Customs tariff number	85049017000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
	UL Underwriters Laboratories Inc.	UL 508	E255817

Declarations of conformity and manufacturer's declarations

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

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Optional accessories

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



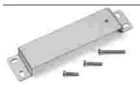
Item no.: 210-831
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white
www.wago.com/210-831



Item no.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white
www.wago.com/210-832

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

Tool

Operating tool



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

Downloads

Documentation

Bid Text

787-880 docx - Datei	2019 年7月12 日	docx 21.8 kB	Download
787-880 X81 - Datei	2019 年7月12 日	xml 6.3 kB	Download

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

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Instruction Leaflet

EPSITRON Capacitive Buffer Modules 24 VDC, 10 A	pdf 529.2 kB	Download

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18 日	pdf 2.2 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 787-880	URL	Download

CAE data

EPLAN Data Portal 787-880	URL	Download
WSCAD Universe 787-880	URL	Download
ZUKEN Portal 787-880	URL	Download

Asset Administration Shell

Asset Administration Shell 787-880	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-880 capacitive buffer module; 24 VDC input voltage; 24 VDC output voltage; 10 A output current; 0.06 … 7.2 s buffer time; communication capability; 2,50 mm²	URL	Download

Installation Notes

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