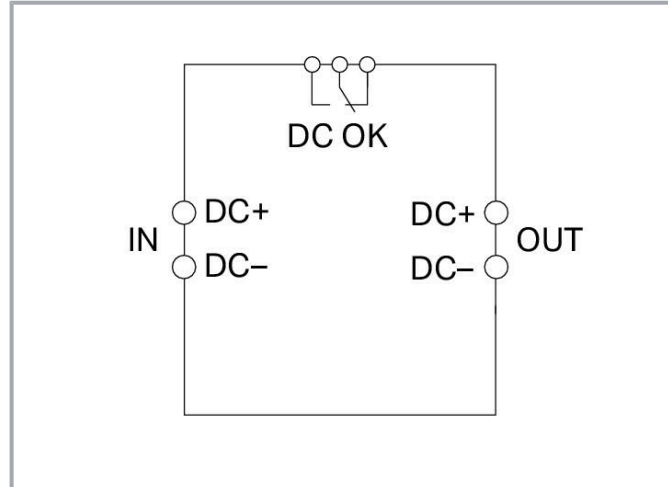


Data sheet | Item number: 787-916

capacitive buffer module; 24 VDC input voltage; 24 VDC output voltage; 40 A output current; Buffer time: 0.3 ... 6.6 s



www.wago.com/787-916



Item description

Features:

- Capacitive buffer module bridges short duration voltage drops or load fluctuations.
- Internal diode between input and output enables operation with a decoupled output.
- Potential-free contact for charge condition monitoring

Data

Technical data

Input

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

Input voltage range DC 23 ... 30 V

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

WAGO GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Nominal mains frequency range	0 Hz
Input current I_i	≤ 0.06 A (No load); ≤ 0.8 A (Charging); ≤ 40.8 A

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V
Output voltage range	$U_i - 0.5$ VDC (mains operation; $I_o = 20$ A); $U_i - 0.8$ VDC (mains operation; $I_o = 40$ A); 20 ... 29 VDC (buffer mode)
Nominal output current $I_{o\text{ nom}}$	40 A

Energy storage system

Buffer time	0.3 ... 6.6 s depends on load current and temperature
Switch-on threshold (typ.)	DC 22 V
Nominal capacity	4.17
Nominal voltage	32.4 V
Effective energy content (typ.)	500
Charging time (typ.)	2.5 min

Signaling and Communication

Signaling	1 x LED DC OK (green) 1 x UPS LED (yellow) 1 x Warning LED (red)
Operation status indicator	Green LED (DC OK) Yellow LED (buffer mode/charging) Red LED (warning)

Efficiency/power losses

Power loss P_i	≤ 1.9 W (operation without decoupled output); ≤ 11.5 W (operation with uncoupled output; $I_o = 20$ A); ≤ 33.5 W (operation with uncoupled output; $I_o = 40$ A)
Efficiency (typ.)	96.5 %

Circuit protection

Internal fuse	No
Backup fusing (recommended)	T 40 A

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



Safety and protection

Protection class	III
Protection type	IP20; per EN 60529
Reverse voltage protection	yes
Pollution degree	2
Parallel operation	No
Series operation	No
Service life	74,000 h (25 °C; I _a = 40 A); 28,200 h (40 °C; I _a = 40 A)

Connection data

Connection type 1	Input/Output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2636 Series
Solid conductor	0.75 ... 16 mm ² / 18 ... 4 AWG
Fine-stranded conductor	0.75 ... 25 mm ² / 18 ... 4 AWG
Fine-stranded conductor; with insulated ferrule	0.75 ... 16 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.75 ... 16 mm ²
Strip length	18 ... 20 mm / 0.71 ... 0.79 inches
Connection type 2	Signaling
Connection technology 2	CAGE CLAMP®
WAGO connector 2	WAGO 741 Series
Solid conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor 2	0.08 ... 2.5 mm ² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule 2	0.25 ... 1.5 mm ²
Fine-stranded conductor; with uninsulated ferrule 2	0.25 ... 1.5 mm ²
Strip length 2	5 ... 6 mm / 0.2 ... 0.24 inches

Physical data

Width	68 mm / 2.677 inches
Height	181 mm / 7.126 inches
Depth from upper-edge of DIN-rail	162 mm / 6.38 inches

Mechanical Data

Mounting type	DIN-35 rail
---------------	-------------

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

Material Data

Weight	900 g
--------	-------

Environmental requirements

Ambient temperature (operation)	-10 ... +50 °C
Ambient temperature (storage)	-10 ... +60 °C
Relative humidity	5 ... 95 % (no condensation permissible)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 62368-1 EN 61000-6-2 EN 61000-6-3
Standards/specifications (pending)	CSA

Commercial data


ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4066966088281
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Approvals / Certificates


General approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA CSA Group	CAN/CSA-C22.2 No. 62368-1	70216154
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02.

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

B.
00089_19

Declarations of conformity and manufacturer's declarations

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

Downloads
Documentation

Bid Text

787-916 X81 - Datei	2019 Jul 12	xml 6.8 kB	Download
787-916 docx - Datei	2019 Jul 12	docx 23.2 kB	Download
ausschreiben.de 787-916		URL	Download

Instruction Leaflet

Capacitive Buffer module DC 24 V, 40 A	2019 Jun 13	pdf 2.2 MB	Download
---	-------------	---------------	----------

Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 Aug 18	pdf 2.2 MB	Download
---	------------------------	---------------	----------

CAD/CAE-Data

CAD data

2D/3D Models 787-916		URL	Download
----------------------	--	-----	----------

CAE data

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

WAGO GmbH & Co. KG
 Hansastr. 27
 32423 Minden
 Phone: +49571 887-0 | Fax: +49571 887-169
 Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
 We are always happy to take your call at +49 (571) 887-44222.



EPLAN Data Portal 787-916

[URL](#)

[Download](#)

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-916

[URL](#)

[Download](#)

capacitive buffer module; 24 VDC input voltage; 24 VDC output voltage; 40 A output current; Buffer time: 0.3 ... 6.6 s

Installation Notes

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

WAGO GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.