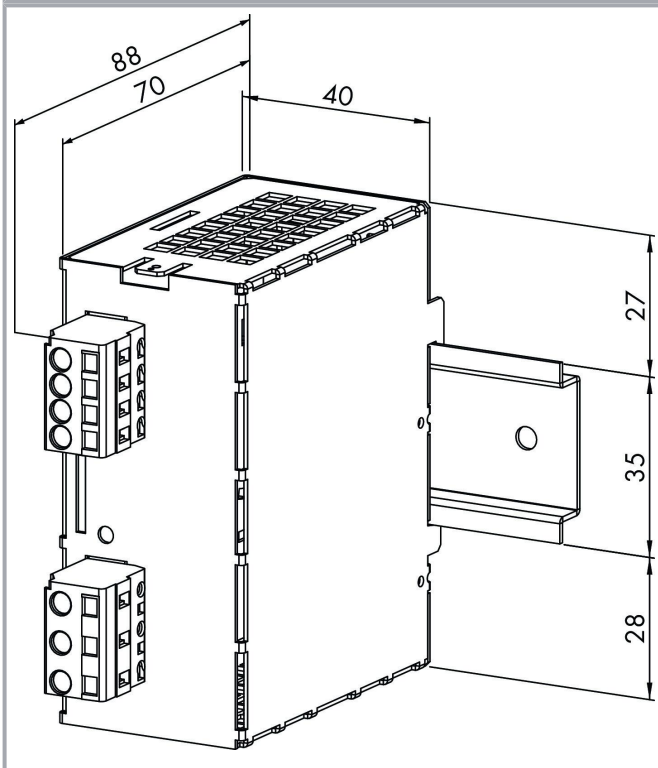
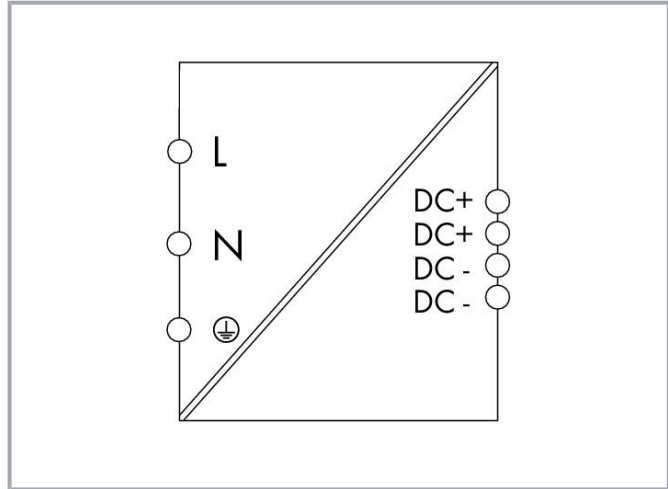


Data sheet | Item number: 787-602 **DISCONTINUED**



Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 1.3 A output current

[www.wago.com/787-602](http://www.wago.com/787-602)



X This item has been discontinued and is no longer available as of 01.09.2022.

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](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



## Item description

- Switched-mode power supply
- Protection class I
- Natural convection cooling when horizontally mounted
- Encapsulated for use in control cabinets
- Electrically isolated output voltage (SELV) per EN 60950-1/UL 60950

## Data

### Technical data

#### Input

Phases	1
Nominal input voltage $U_{i\text{ nom}}$	1 x AC 100 ... 240 V; DC 140 ... 300 V
Input voltage range	1 x AC 90 ... 264 V; DC 130 ... 300 V
Nominal mains frequency range	50 ... 60 Hz; 0 Hz
Input current $I_i$	$\leq 0.3$ A (230 VAC)
Inrush current	$\leq 25$ A
Power factor correction (PFC)	Passive
Mains failure hold-up time	$\geq 20$ ms (230 VAC)

#### Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 28.8 V (adjustable)
Nominal output current $I_{o\text{ nom}}$	1.3 A (24 VDC)
Residual ripple	$\leq 100$ mV (peak-to-peak)
Current limitation	$1.5 \times I_{o\text{ nom}}$ (typ.)
Overload behavior	Hiccup

#### Signaling and Communication

Operation status indicator	Green LED (24 V OK)
----------------------------	---------------------

#### Efficiency/power losses

Power loss $P_i$	$\leq 4.9$ W
	7 W (90 VAC / 24 VDC; 1.3 A)

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



Power loss (max.) $P_{I(max)}$	
Efficiency (typ.)	83 %

### Circuit protection

Internal fuse	T 2 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: C10 or B10

### Safety and protection

Isolation voltage (sec.-PE)	DC 0.7 kV
Protection class	I
Protection type	IP20; per EN 60529
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	Internal protective circuit ≤ 40 VDC (in the event of a fault)
Short-circuit-protected	Yes ("hiccup")
Open-circuit-proof	Yes
Parallel operation	No
Series operation	Yes

### Connection data

Connection type 1	Input/Output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 231 Series
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Note (conductor cross-section)	12 AWG: THHN, THWN

### Physical data

Width	40 mm / 1.575 inches
Height from upper-edge of DIN-rail	95 mm / 3.74 inches
Depth from upper-edge of DIN-rail	90 mm / 3.543 inches

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](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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

**Mechanical Data**

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

**Material Data**

Weight	300 g
--------	-------

**Environmental requirements**

Ambient temperature (operation)	-10 ... +70 °C
Ambient temperature (storage)	-25 ... +85 °C
Relative humidity	30 ... 85 % (no condensation permissible)
Derating	-3 %/K (> 50 °C)

**Standards and specifications**

Conformity marking	CE
Standards/specifications	EN 60950-1 EN 61204-3 UL 60950 UL 508 DNV




**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
PU (SPU)	1 pcs
Packaging type	box
Country of origin	DE
GTIN	4045454435134
Customs tariff number	85044083900
End of Sale	2022-09-01
End of Production	2022-09-07
End of Delivery	2023-02-28
End of Service and Repair	2025-02-28


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

## Approvals / Certificates


### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02.B.00089_19
	UL Underwriters Laboratories Inc.	UL 508	E255817
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815

### Declarations of conformity and manufacturer's declarations

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

### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00002J6

## Downloads

### Documentation

#### Bid Text

787-602 docx - Datei	2019 Jun 13	docx 20.3 kB	Download
787-602 X81 - Datei	2019 Jun 13	xml 6.9 kB	Download

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](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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



### Instruction Leaflet

Primär getaktete Stromversorgungen CLASSIC DC 24 V, 1,3 A		pdf 182.1 kB	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 787-602		URL	Download
----------------------	--	-----	----------

#### CAE data

EPLAN Data Portal 787-602		URL	Download
---------------------------	--	-----	----------

WSCAD Universe 787-602		URL	Download
------------------------	--	-----	----------

ZUKEN Portal 787-602		URL	Download
----------------------	--	-----	----------

### Environmental Product Compliance

#### Compliance Search

Environmental Product Compliance 787-602 Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 1.3 A output current		URL	Download
---	--	-----	----------

### Installation Notes

#### Product family

##### Classic

EPSITRON® CLASSIC POWER: The Robust Power Supply – with Integrated TopBoost (Optional)

[Show all products from the family](#)

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