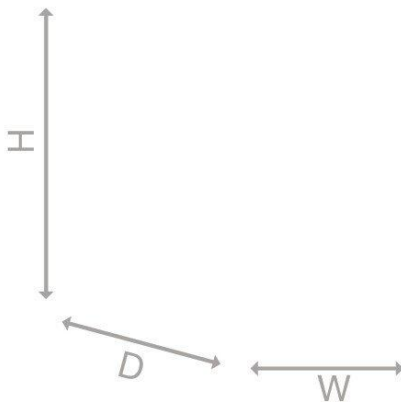
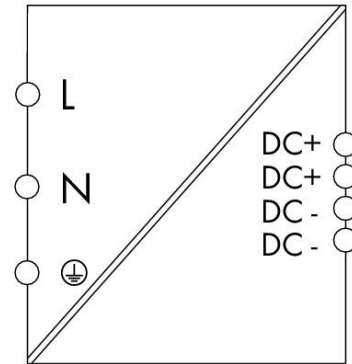
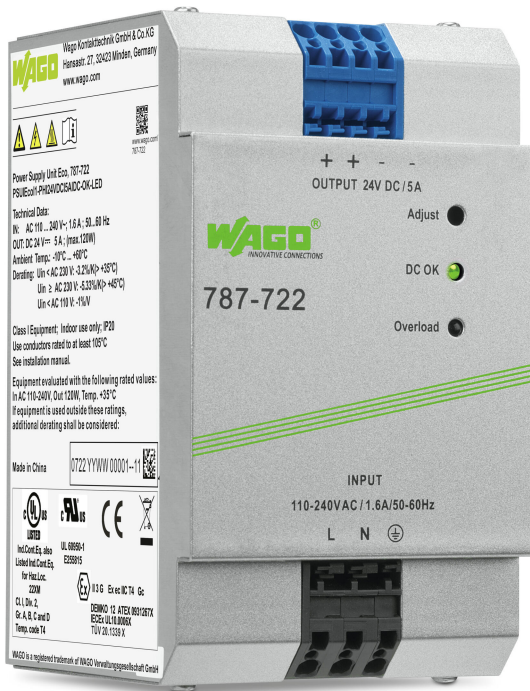


Data sheet | Item number: 787-722

Power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED; 4,00 mm²

www.wago.com/787-722



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

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Item description

Features:

- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Encapsulated for use in control cabinets
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204

Data

Technical data

Input

Phases	1
Nominal input voltage $U_{i\text{ nom}}$	1 x AC 110 ... 240 V
Input voltage range	1 x AC 85 ... 264 V; DC 90 ... 373 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current I_i	$\leq 1\text{ A}$ (230 VAC); $\leq 2\text{ A}$ (115 VAC)
Inrush current	$\leq 30\text{ A}$
Power factor	≥ 0.94 (230 VAC); ≥ 0.98 (115 VAC)
Power factor correction (PFC)	Active
Mains failure hold-up time	$\geq 20\text{ ms}$ (230 VAC)

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 28 V (adjustable)
Nominal output current $I_{o\text{ nom}}$	5 A (24 VDC)
Nominal output power	120 W
Residual ripple	$\leq 100\text{ mV}$ (peak-to-peak)
Overload behavior	Constant power (in overload range: $1.15 \dots 1.4 \times I_{o\text{ nom}}$); Shutdown and automatic restart in the event of a short circuit

Signaling and Communication

Signaling	1 x LED DC OK (green) 1 x Overload LED (red)
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Subject to changes. Please also observe the further product documentation!



Operation status indicator

Green LED (24 VDC OK)
Red LED (overload)

Efficiency/power losses

Power loss P_I	$\leq 19.5 \text{ W}$ (230 VAC; Nominal load)
Power loss (max.) $P_{I(max)}$	23.5 W (110 VAC / 24 VDC; 5.5 A)
Efficiency (typ.)	86 % (230 VAC)

Circuit protection

Internal fuse	F 3.15 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: 10 A, 16 A; Tripping characteristic: B or C

Safety and protection

Isolation voltage (sec.-PE)	DC 0.7 kV
Protection class	I
Protection type	IP20; per EN 60529
Overvoltage category	II
Pollution degree	2
Transient suppression (primary)	Varistor
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	480,000 h (per IEC 61709)

Connection data

Connection type 1	Input/Output
Connection technology	CAGE CLAMP®
WAGO connector	WAGO 745 Series
Solid conductor	0.08 ... 4 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Note (conductor cross-section)	12 AWG: THHN, THWN

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Physical data

Width	75 mm / 2.953 inches
Height	92 mm / 3.622 inches
Depth from upper-edge of DIN-rail	136 mm / 5.354 inches

Mechanical Data

Mounting type	DIN-35 rail
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Material Data

Fire load	4.8 MJ
Weight	850 g

Environmental requirements

Ambient temperature (operation at U_N)	-10 ... +60 °C
Surrounding air temperature (storage)	-25 ... +85 °C
Relative humidity	95% (no condensation permissible)
Derating	-5.33 %/K (> 45 °C; 230 VAC)

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 62368-1 EN 61204-3 cURus 60950-1 cULus 508 ANSI/ISA 12.12.01 (Class I Div. 2) ATEX IEC Ex

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

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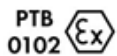




Country of origin	CN
GTIN	4045454908188
Customs tariff number	85044083900

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815

Approvals for hazardous areas

Logo	Approval	Additional Approval Text	Certificate name
	ATEX UL International Demko A/S	EN 60079-0	12 ATEX 0931267 X
	INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV20.1339X
	UKEx WAGO GmbH & Co. KG	EN 60079-0	WAGO22UKEX001X_ec nC T4
	UL UL International Germany GmbH	IEC 60079-0	IECEx UL 10.0006 X
	UL UL International Germany GmbH (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726 Section 5



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Optional accessories

Tool

Operating tool			
	Item no.: 210-769		www.wago.com/210-769
	SCREWDRIVER; green		
	Item no.: 210-720		www.wago.com/210-720
	Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured		

Downloads

Documentation

Bid Text

787-722	Jul 12, 2019	xml	Download
X81 - Datei		7.0 kB	
787-722	Jul 12, 2019	docx	Download
docx - Datei		21.6 kB	

Instruction Leaflet

Primary Switch Mode Power Supply ECO-Power	V 2.2.10	pdf	Download
24 VDC, 5 A	Dec 21, 2020	235.1 kB	

Additional Information

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

CAD/CAE-Data

CAD data

2D/3D Models 787-722	URL	Download
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CAE data

WSCAD Universe 787-722	URL	Download
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ZUKEN Portal 787-722

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	URL	Download
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EPLAN Data Portal 787-722	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-722	URL	Download
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Power supply; Eco; 1-phase; 24 VDC output voltage; 5 A output current; DC-OK LED;
4,00 mm²

Installation Notes

Product family

EPSITRON ECO Power

[Show all products from the family](#)

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