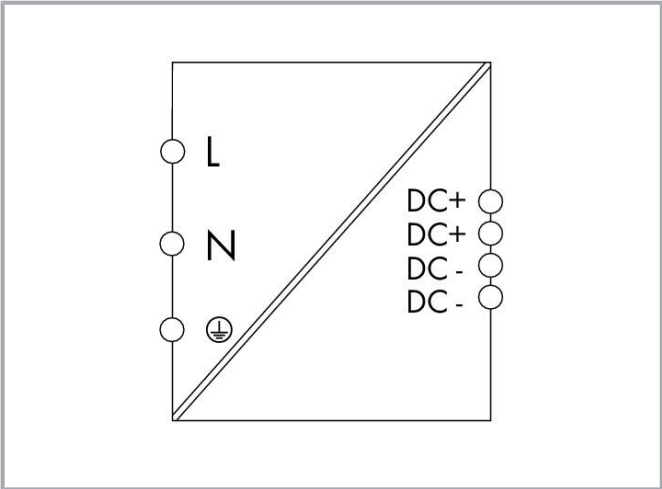
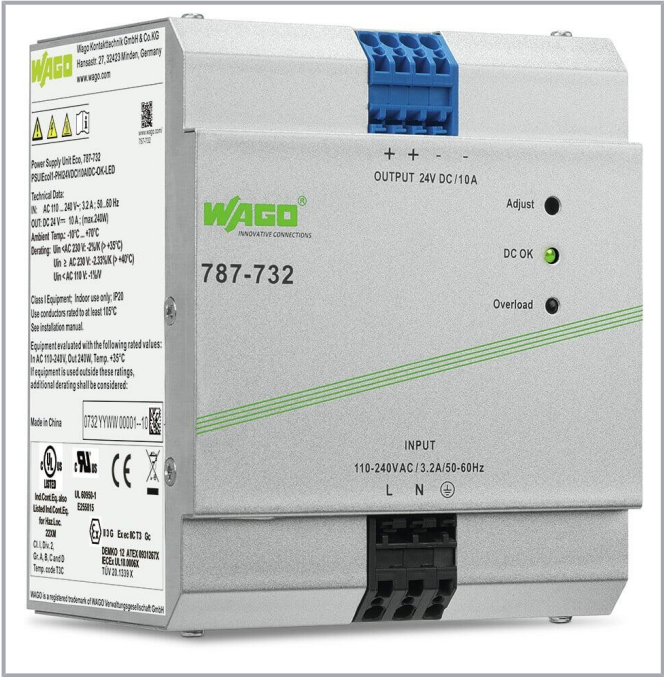


Data sheet | Item number: 787-732
Power supply; Eco; 1-phase; 24 VDC output voltage; 10 A output current;
DC-OK LED; 4,00 mm²



www.wago.com/787-732



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 100 ... 240 V

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

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	1 x AC 110 ... 240 V
Input voltage range	1 x AC 90 ... 264 V; DC 90 ... 373 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current I_i	≤ 1.5 A (230 VAC); ≤ 3 A (115 VAC)
Inrush current	≤ 30 A
Power factor	≥ 0.94 (230 VAC); ≥ 0.98 (115 VAC)
Power factor correction (PFC)	Active
Mains failure hold-up time	≥ 20 ms (230 VAC)

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 28 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\text{ nom}}$	10 A (24 VDC)
Nominal output power	240 W
Deviation	≤ 1 %
Residual ripple	≤ 100 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)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)

Efficiency/power losses

Power loss P_i	≤ 37.5 W (230 VAC; Nominal load)
Power loss (max.) $P_{i\text{ (max.)}}$	53 W (110 VAC / 24 VDC; 11 A)
Efficiency (typ.)	86 % (230 VAC)

Circuit protection

Internal fuse	F 5 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

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



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

Physical data

Width	110 mm / 4.331 inches
Height	136 mm / 5.354 inches
Depth from upper-edge of DIN-rail	92 mm / 3.622 inches

Mechanical Data

Mounting type	DIN-35 rail
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Material data

Fire load	10.1 MJ
Weight	1200 g

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



Environmental requirements

Ambient temperature (operation)	-10 ... +70 °C
Ambient temperature (storage)	-25 ... +85 °C
Relative humidity	95% (no condensation permissible)
Derating	-2.33 %/K (> 40 °C; 230 VAC)
Climatic category	3K3 (per EN 60721)

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 SEMI F47 UL HazLoc

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	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CN
GTIN	4045454908140
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	b5b34780-c0ef-484a-854d-ba54299bc271
SCIP notification number (Czech Republic)	7739d817-9f87-4c79-add7-5f7cb472e792

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

Approvals / Certificates

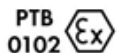
General approvals

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

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	MFD for SEMI F47 WAGO GmbH & Co. KG	-	-

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 T3
	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 SCREWDRIVER; green		www.wago.com/210-769
	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

787-732 docx - Datei	2019 Jul 17	docx 21.4 kB	Download
787-732 X81 - Datei	2019 Jul 12	xml 7.0 kB	Download

Instruction Leaflet

CCC Ex (Additional information) 787-***	2023 Apr 26	pdf 130.3 kB	Download
Primary Switch Mode Power Supply ECO-Power 24 VDC, 10 A	V 2.2.10 2020 Dec 21	pdf 184.0 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
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CAD/CAE-Data

CAD data

2D/3D Models 787-732	URL	Download
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CAE data

WSCAD Universe 787-732	URL	Download
ZUKEN Portal 787-732	URL	Download
EPLAN Data Portal 787-732	URL	Download
Asset Administration Shell		
Asset Administration Shell 787-732	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-732	URL	Download
Power supply; Eco; 1-phase; 24 VDC output voltage; 10 A output current; DC-OK LED; 4,00 mm ²		

Installation Notes

Product family

EPSITRON ECO Power
[Show all products from the family](#)

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