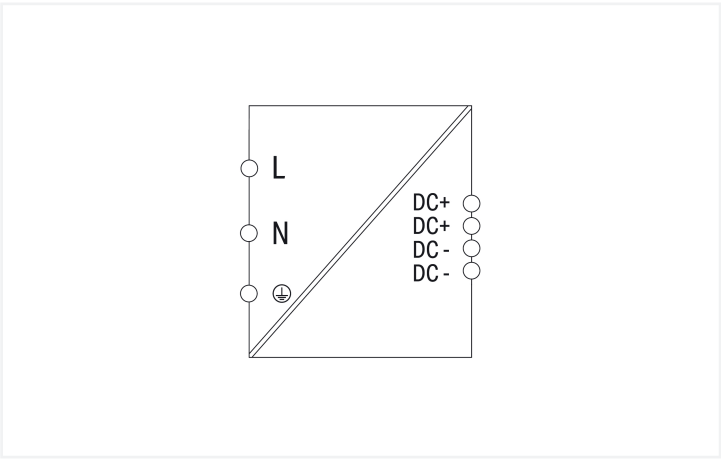
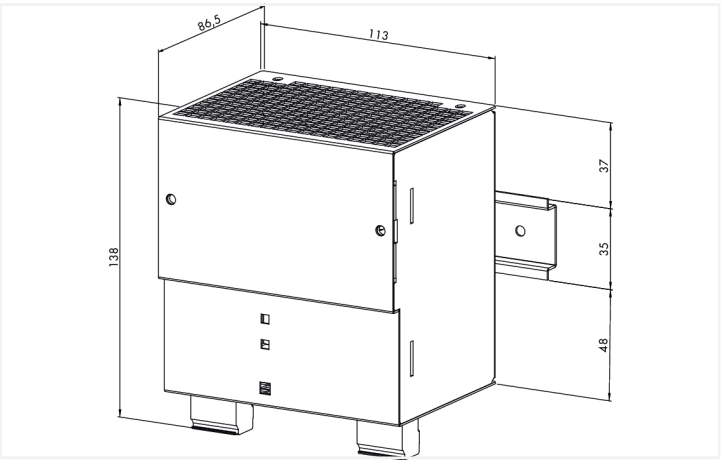
Data Sheet | Item Number: 787-632

Switched-mode power supply; Classic; 1-phase; 24 VDC output voltage; 10 A output current; 2,50 mm²

https://www.wago.com/787-632







Dimensions in mm

Features:

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

Technical data

Input

Phases	1
Nominal input voltage $U_{i\,nom}$	1 x 110 … 240 VAC; 100 … 300 VDC
Input voltage range	1 x 85 … 264 VAC; 90 … 350 VDC
Input voltage derating	-2 %/V (< 97 VAC)
Nominal mains frequency range	50 … 60 Hz; 0 Hz
Input current I_i	≤ 2 A (230 VAC)
Discharge current	≤ 1 mA
Inrush current	≤ 60 A

Input

Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 20 ms (230 VAC)

Output

Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Output voltage range	22.8 … 28.8 VDC (adjustable)
Default Setting	24 VDC
Nominal output current $I_{o\ nom}$	10 A (24 VDC)
Deviation	≤ 3 %
Residual ripple	≤ 200 mV (peak-to-peak)
Current limitation	1.2 x $I_{o\ nom}$ (typ.)
Overload behavior	Constant current

Signaling and Communication

Operation status indicator	Green LED (24 V OK) Red LED (overload)

Efficiency/Power Losses

Power loss P_l	≤ 26.9 W
Power loss (max.) $P_{l\ (max.)}$	32.6 W (90 VAC / 24 VDC; 10 A)
Efficiency (typ.)	88 %

Circuit Protection

Internal fuse	T 6.3 A / 250 VAC
Pre-fuse (required)	An external DC fuse is required for the DC input voltage.
Backup fuse (recommended)	Circuit breaker: C10 or B16

Safety and protection

Isolation voltage (pri.-sec.)	4.242 kVDC
Isolation voltage (pri.-PE)	2.2 kVDC
Isolation voltage (sec.-PE)	0.7 kVDC
Protection class	I
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 33 VDC
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	Internal protective circuit ≤ 33 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes

Connection Data

Note (conductor cross-section)	12 AWG: THHN, THWN

Connection 1

Connection type	Input/output
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	115 mm / 4.528 inches
Height	140 mm / 5.512 inches
Depth from upper-edge of DIN-rail	87 mm / 3.425 inches

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Mechanical data

Mounting type	DIN-35 rail

Material data

Fire load	10.1 MJ
Weight	950 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)
Climatic category	3K3 (per EN 60721)

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)
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4045454435370
Customs tariff number	85044083900
End of Sale	2020-10-01
End of Production	2020-10-06
End of Delivery	2020-10-16
End of Service and Repair	2022-10-01

Product Classification

UNSPSC	39121004
eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 508	E255817
UR Underwriters Laboratories Inc.	UL 60950-1	E255815

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA00002J6

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-632

Documentation

Bid Text

787-632	13.06.2019	xml 6.89 KB	
787-632	13.06.2019	docx 20.86 KB	

Instruction Leaflet

Primär getaktete Stromversorgungen CLASSIC	pdf 357.41 KB	

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CAD/CAE-Data

CAD data	CAE data
2D/3D Models 787-632	EPLAN Data Portal 787-632
	WSCAD Universe 787-632
	ZUKEN Portal 787-632