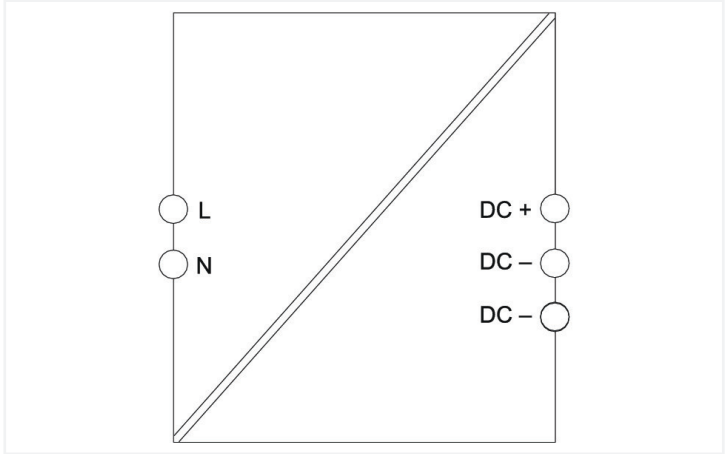




Features:

- Switched-mode power supply
- Stepped profile, ideal for distribution boards/boxes
- Pluggable *picoMAX*® Connection Technology (tool-free)
- Series operation
- Electrically isolated output voltage (SELV) per EN 62368/UL 62368 and EN 60335-1; PELV per EN 60204

Technical data

Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	DC 24 V (SELV)
Nominal input voltage $U_{i\ nom}$	1 x AC 100 ... 240 V	Nominal output current $I_{o\ nom}$	0.5 A
Input voltage range	1 x AC 90 ... 264 V	Nominal output power	12 W
Input voltage derating	-2 %/V (< 100 VAC)	Deviation	≤ 1 %
Nominal mains frequency range	47 ... 63 Hz	Deviation, dynamic load change 10 ... 90 %	≤ 1 %
Input current I_i	≤ 0.27 A (100 VAC; 0.5 ADC)	Residual ripple	≤ 100 mV (peak-to-peak)
Discharge current	≤ 0.25 mA	Overload behavior	Shutdown and automatic restart in the event of a short circuit
Inrush current	≤ 30 A (NTC)		
Power factor	≥ 0.5		
Power factor correction (PFC)	None		
Mains failure hold-up time	≥ 100 ms (230 VAC)		

Signaling and communication

Signaling	1 x Status indication LED (green)
Operation status indicator	Green LED (U_o)

Efficiency/power losses	
Power loss P_l	≤ 0.2 W
Power loss (max.) $P_{l\ (max.)}$	2.5 W (100 VAC / 24 VDC; 0.5 A)
Efficiency (typ.)	83 % (230 VAC; nominal load); 82 % (110 VAC; nominal load)

Circuit protection

Internal fuse	T 1 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher



Safety and protection		
Isolation voltage (pri.-sec.)		DC 4.242 kV
Protection class		II
Protection type		IP20; per EN 60529
Reverse voltage protection		Yes
Resistance to reverse feed		≤ DC 31 V
Overvoltage category		II
Pollution degree		2
Transient suppression (primary)		Yes
Overvoltage protection; secondary		≤ 31 VDC (in the event of a fault)
Short-circuit-protected		Yes
Open-circuit-proof		Yes
Parallel operation		No
Series operation		Yes, for 2 devices of the same type
MTBF		> 700,000 h (per IEC 61709)

Connection data		
Connection type 1		Input
Connection technology		Push-in CAGE CLAMP®
WAGO connector		picoMAX® 5.0, WAGO 2092 Series
Solid conductor		0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor		0.2 ... 2.5 mm² / 24 ... 12 AWG
Strip length		9 ... 10 mm / 0.35 ... 0.39 inches
Connection type 2		Output
Connection technology		Push-in CAGE CLAMP®
WAGO connector 2		picoMAX® 3.5 (WAGO 2091 Series)
Solid conductor 2		0.2 ... 1.5 mm² / 24 ... 14 AWG
Fine-stranded conductor 2		0.2 ... 1.5 mm² / 24 ... 14 AWG
Strip length 2		8 ... 9 mm / 0.31 ... 0.35 inches
Cable length (max.)		30 m

Physical data		
Width		18 mm / 0.7 inches
Height		90 mm / 3.543 inches
Depth		55 mm / 2.165 inches
Depth from upper-edge of DIN-rail		52.5 mm / 2.067 inches

Mechanical data		
Housing design		DIN-rail-mount enclosure
Mounting type		DIN-35 rail Screw mount (back/side)

Material data		
Flammability class per UL94		V2
Fire load		0.109 MJ
Weight		63 g



Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	20 ... 90 % (no condensation permissible)
Derating	-2.6 %/K (> 55 °C)
Climatic category	3K3 (per EN 60721; except for low air pressure)

Standards and specifications	
Conformity marking	CE
Standards/specifications	EN 61204-3 EN 60335-1 EN 62368 UL 62368 UL 508

Commercial data	
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	CN
GTIN	4055143812184
Customs tariff number	85044083900

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption
SCIP notification number (Bulgaria)	d77ec3ad-d4ea-40c4-987e-5ae1218cbb93
SCIP notification number (Czech Republic)	0a095fbc-0aaf-4376-9f91-7363a8eac7f7

Approvals / Certificates	
General approvals	Declarations of conformity and manufacturer's declarations

  		
Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02. B.00089_19
UL Underwriters Laboratories Inc.	UL 508	E255817
UR Underwriters Laboratories Inc.	UL 62368-1	E255815

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-1200

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Documentation

Manual

Product Manual Power Supply 24 V

V 1.0.0

pdf

1199.71 KB

↓

Bid Text

787-1200

24.06.2019

xml

6.99 KB

↓

787-1200

12.06.2019

docx

20.30 KB

↓

ausschreiben.de 787-1200

↓

Instruction Leaflet

Primär getaktete Stromversorgungen COMPACT

V 2.0.0

20.11.2020

pdf

2334.72 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 787-1200

↓

CAE data

EPLAN Data Portal 787-1200

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ZUKEN Portal 787-1200

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Tool

1.1.1.1 Operating tool



[Item No.: 210-720](#)
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



[Item No.: 210-769](#)
SCREWDRIVER; green



[Item No.: 2092-1630](#)
Unlocking tool; orange