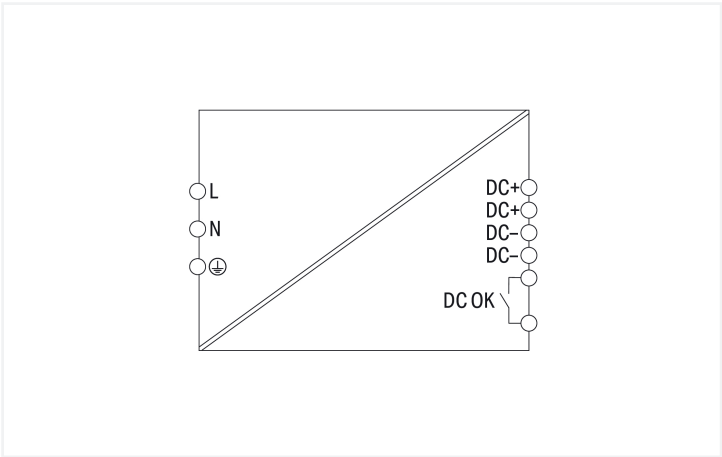




Similar to illustration

Features:

- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Encapsulated for use in control cabinets
- DC OK contact
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per UL 60950-1; PELV per EN 60204
- Coated PCBs (with Bectron PL 1104 or Voltatex 2010), resistant to flowing mixed gas per ISA S71.04:1985, G3 Group A

Technical data			
Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\ nom}$	1 x 100 ... 240 VAC	Output voltage range	23 ... 28.5 VDC (adjustable)
Input voltage range	1 x 85 ... 264 VAC; 120 ... 300 VDC	Default Setting	24 VDC
Input voltage derating	-1.8 %/V (< 105 VAC)	Nominal output current $I_{o\ nom}$	20 A (24 VDC)
Nominal mains frequency range	44 ... 66 Hz; 0 Hz	Nominal output power	480 W
Input current I_i	≤ 2.23 A (230 VAC); ≤ 5.56 A (100 VAC)	Deviation	≤ 1 %
Discharge current	≤ 1 mA	Residual ripple	≤ 70 mV (peak-to-peak)
Inrush current	≤ 30 A	Current limitation	$1.1 \times I_{o\ nom}$ (typ.)
Power factor correction (PFC)	Active	Overload behavior	Constant current
Mains failure hold-up time	≥ 20 ms (230 VAC); ≥ 8 ms (100 VAC)	TopBoost	See instruction leaflet

Signaling and Communication		Efficiency/Power Losses	
Signaling	1 x DC OK LED (green) 1 x DC OK contact (make contact; max. 30 VAC/DC; 1 A)	Power loss P_I	≤ 7.2 W; ≤ 42.4 W (230 VAC; nominal load)
Operation status indicator	Green LED (U_o)	Power loss (max.) $P_{I(max.)}$	68.3 W (100 VAC / 24 VDC; 20 A)
		Efficiency (typ.)	92 %



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

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
Protective coating	Coated PCBs
Resistance to reverse feed	≤ 35 VDC
Overvoltage category	II
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
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 500,000 h (per IEC 61709)

Connection Data			
Connection 1		Connection 2	
Connection type	Input/signaling	Connection type	Output
Connection technology	CAGE CLAMP®	Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 721 Series	WAGO connector	WAGO 831 Series
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG	Solid conductor	0.5 ... 10 mm² / 20 ... 8 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG	Fine-stranded conductor	0.5 ... 10 mm² / 20 ... 8 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches	Strip length	13 ... 15 mm / 0.51 ... 0.59 inches

Physical data	
Width	95 mm / 3.74 inches
Height	127 mm / 5 inches
Depth from upper-edge of DIN-rail	170 mm / 6.693 inches

Mechanical data	
Mounting type	DIN-35 rail



Material data	
Fire load	0.797 MJ
Weight	1600 g

Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)	-25 ... +85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	-5 %/K (> 60 °C, 196 ... 264 VAC); -2.5 %/K (> 50 °C, 85 ... 195 VAC)
Climatic category	3K3 (per EN 60721)

Standards and Specifications	
Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 60950-1 UL 508

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143786331
Customs tariff number	85044083900

Product Classification	
UNSPSC	39121004
ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates		
General approvals		Declarations of conformity and manufacturer's declarations
		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
787-1634/000-070

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Documentation

Instruction Leaflet

Primär getaktete Stromversorgung;
24.07.2017
04.03.2022
pdf
1622.10 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models
787-1634/000-070

↓

Engineering-Software

Configuration and Commissioning Software

WAGO Line Length Calculation
1.3.5
09.12.2019
exe
329.50 KB

↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Mounting adapter

1.1.1.1 DIN-rail adapter



Item No.: [787-897/000-010](#)
Carrier rail adapter made of zinc die-cast;
horizontal mounting of 787-16xx (TS35)

1.1.2 Tool

1.1.2.1 Operating tool



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

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

Current addresses can be found at: www.wago.com