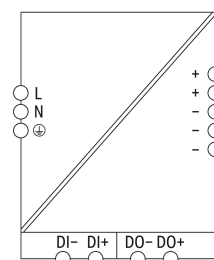


<https://www.wago.com/2787-2448/000-030>



- Power supply with TopBoost, PowerBoost and configurable overload behavior
- Configurable digital signal input and output, optical status indication, function keys
- Communication interface for configuration and monitoring
- Optional connection to IO-Link, EtherNet/IP™, Modbus TCP or Modbus RTU
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Pluggable connection technology
- Electrically isolated output voltage (SELV/PELV) per EN 61010-2-201/UL 61010-2-201
- Marker slot for WAGO marking cards (WMB) and WAGO marking strips

Input	
Phases	1
Nominal input voltage $U_{i\text{nom}}$	1 x 200 ... 240 VAC
Input voltage range	1 x 180 ... 264 VAC
Nominal mains frequency range	50 ... 60 Hz
Input current I_i	$\leq 4.3 \text{ A}$ (240 VAC; nominal load); $\leq 5.1 \text{ A}$ (200 VAC; nominal load)
Inrush current	$\leq 10 \text{ A}$ (after 1 ms)
Power factor	≥ 0.98 (240 VAC)
Power factor correction (PFC)	Active
Mains failure hold-up time	$\geq 25 \text{ ms}$ (230 VAC)

Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Output voltage range	24 ... 28 VDC (adjustable)
Default Setting	24 VDC
Nominal output current $I_{o\ nom}$	40 A (24 VDC)
Nominal output power	960 W
Deviation	$\leq 1\%$
Residual ripple	$\leq 70\text{ mV}$ (peak-to-peak)
Current limitation	$1.1 \times I_{o\ nom}$ (typ.)
Overload behavior	TopBoost/PowerBoost/Time-limited constant current mode (other overload behaviors can be set)
PowerBoost	60 ADC (5 s)
TopBoost	Up to 600 %

Signaling	Optical status indication (DC OK; load; warning and error states) Digital signal input and output (DI/DO)
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Isolation voltage (pri.-sec., AC)	3510 V
Isolation voltage (pri.-PE, AC)	2200 V
Isolation voltage (sec.-PE)	0.5 kVDC
Isolation voltage (sec.-signal)	0.5 kVDC
Protection class	I
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 35 VDC
Overvoltage category	III (≤ 2000 m a.s.l.); II (> 2000 m a.s.l.)
Pollution degree	2
Transient suppression (primary)	Yes
Overvoltage protection; secondary	Internal protective circuit ≤ 35 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 900,000 h (per IEC 61709)

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
Fine-stranded conductor; with insulated fer-rule	0.25 ... 1.5 mm² / 20 ... 16 AWG	Fine-stranded conductor; with insulated fer-rule	0.5 ... 6 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm² / 20 ... 14 AWG	Fine-stranded conductor; with uninsulated ferrule	0.5 ... 6 mm²
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches	Strip length	13 ... 15 mm / 0.51 ... 0.59 inches

Width	120 mm / 4.724 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	130 mm / 5.118 inches
Note (dimensions)	Height without connector Height with connector: 169 mm



Mechanical data		
Mounting type		DIN-35 rail
Material data		
Weight		1900 g
Environmental requirements		
Ambient temperature (operation)		-25 ... +70 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)		-40 ... +85 °C
Relative humidity		5 ... 96 % (no condensation permissible)
Derating		-3 %/K (> 55 °C)
Climatic category		3K3 (per EN 60721)
Operating altitude (max.)		5000 m
Standards and Specifications		
Conformity marking		CE
Standards/specifications		EN 61010-1 EN 61010-2-201 EN 61204-3 UL 61010-1 UL 61010-2-201 DNV UL 121201 (HazLoc)
Commercial data		
PU (SPU)		1 pcs
Packaging type		Box
Country of origin		CN
GTIN		4066966115314
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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance
2787-2448/000-030

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Documentation

Manual

Product Manual Power supply; Pro 2; 1-phase; 24 VDC output voltage; 40 A output current

V 1.2.2
18.02.2022

pdf
8514.86 KB

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Instruction Leaflet

WAGO Stromversorgung Pro 2

V 1.1.0
21.04.2021

pdf
4500.37 KB

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Application Notes

Application note SIEMENS

Application Note TIA Portal
Power supply Pro 2 with IO-Link Interface (a2019010)

2020-04-07
07.04.2020

zip
11946.49 KB

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CAD/CAE-Data

CAD data

2D/3D Models
2787-2448/000-030

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CAE data

EPLAN Data Portal
2787-2448/000-030

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Runtime Software

Firmware

2787-2448, Stromversorgung; Pro 2

V 010513
12.10.2021

zip
1187.52 KB

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1 Compatible Products

1.1 Product Expansions

1.1.1 Communication Module



Item No.: 2789-9023
Communication module; EtherNet/IP; MQTT Pub/Sub; communication capability



Item No.: 2789-9080
Communication module; IO-Link; communication capability



Item No.: 2789-9015
Communication module; Modbus RTU; RJ45; communication capability



Item No.: 2789-9052
Communication module; Modbus TCP; communication capability



1.1.2 Display Module



Item No.: [2789-9090](#)
Display Module