Data Sheet | Item Number: 2587-2346

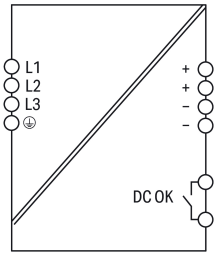
Switched-mode power supply; Base; 3-phase; 24 VDC output voltage; 10 A output current; DC OK signal

https://www.wago.com/2587-2346









Key Features:

- Visual status indicator
- Suitable for parallel and series operation
- Self-cooling via natural convection in horizontal mounting position
- Connection technology with push-in connection technology
- Electrically isolated output voltage (safety extra low voltage) per EN 61010-2-201/UL 61010-2-201

Technical data

Input

Phases	3
Nominal input voltage $U_{i\,nom}$	3 x 400 … 500 VAC
Input voltage range	3 x 340 … 550 VAC
Nominal mains frequency range	47 Hz / 63 Hz
Input current I_i	≤ 1 A (340 VAC; nominal load)
Inrush current	≤ 30 A (at 400 VAC / 25 °C)
Power factor	≥ 0.57 (400 VAC)
Mains failure hold-up time	≥ 20 ms (400 VAC)

Output

Nominal output voltage $U_{o\,nom}$	24 VDC (SELV)
Output voltage range	23.5 … 28 VDC
Default Setting	24 VDC
Nominal output current $I_{o\,nom}$	10 A (24 VDC)
Leakage current at rated voltage	≤ 720 µA
Nominal output power	240 W
Deviation	≤ 3 %
Load regulation	≤ 1 %
Residual ripple	≤ 60 mV (peak-to-peak)
Overload behavior	Constant power up to 150 %; short-circuit shutdown with automatic restart

Signaling and Communication

Signaling	Optical status indication (DC OK, green LED) Signal output (DC OK)

Efficiency/Power Losses

Power loss P_l	≤ 7 W (no load); ≤ 28.8 W (nominal load)
Efficiency (typ.)	88 % (400 VAC; nominal load)

Circuit Protection

Internal fuse	T 3.15 A / 600 VAC

Safety and protection

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 rating	IP20
Reverse voltage protection	Yes
Resistance to reverse feed	≤ 35 VDC
Overvoltage category	III (≤ 2000 m a. s.l.; at 300 V); II (≤ 5,000 m a. s.l.; at 300 V)
Pollution degree	2
Transient suppression (primary)	Yes
Overvoltage protection; secondary	≤ 35 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes, for 2 devices of the same type
Series operation	Yes, for 2 devices of the same type
MTBF	> 1,000,000 h (at 25 °C; per IEC 61709; SN 29500)

Connection Data

Connection 1

Connection type	Input/output
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2624 Series
Solid conductor	0.2 … 6 mm² / 24 … 10 AWG
Fine-stranded conductor	0.2 … 6 mm² / 24 … 10 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 2.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 2.5 mm²
Strip length	10 … 12 mm / 0.39 … 0.47 inches

Connection 2

Connection type	Signaling
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2086 Series
Solid conductor	0.14 … 1.5 mm² / 28 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 28 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²
Strip length	8 … 9 mm / 0.31 … 0.35 inches

Physical data

Width	48 mm / 1.89 inches
Height	125 mm / 4.92 inches
Depth from upper-edge of DIN-rail	125 mm / 4.92 inches

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Mechanical data

Mounting type	DIN-35 rail

Material data

Weight	700 g

Environmental requirements

Ambient temperature (operation)	-30 … +70 °C (Device starts at -40 °C (type-tested))
Ambient temperature (storage)	-40 … +85 °C
Relative humidity	5 … 96 % (no condensation permissible)
Derating	-4.8 W/°C (> 50 °C)
Climatic category	3K3 (per EN 60721)
Operating altitude (max.)	5000 m

Standards and Specifications

Conformity marking	CE
Standards/specifications	SEMI F47 EN 55032 EN 55035 EN 61000-3-3 EN 61204-3 EN 61558-2-16 EN IEC 61000-3-2 EN IEC 61010-1 EN IEC 61010-2-201 UL 61010-1 UL 61010-2-201

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966767933
Customs tariff number	85044083900

Product Classification

ETIM 9.0	EC002540
ETIM 10.0	EC002540
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

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Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	-	E516135_2587-2346

Declarations of conformity and manufacturer's declarations

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

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2587-2346

Documentation

Instruction Leaflet

Primär getaktete Stromversorgung; Base;	V 3.0.0 26.03.2026	pdf 748.23 KB

CAD/CAE-Data

CAD data

2D/3D Models 2587-2346