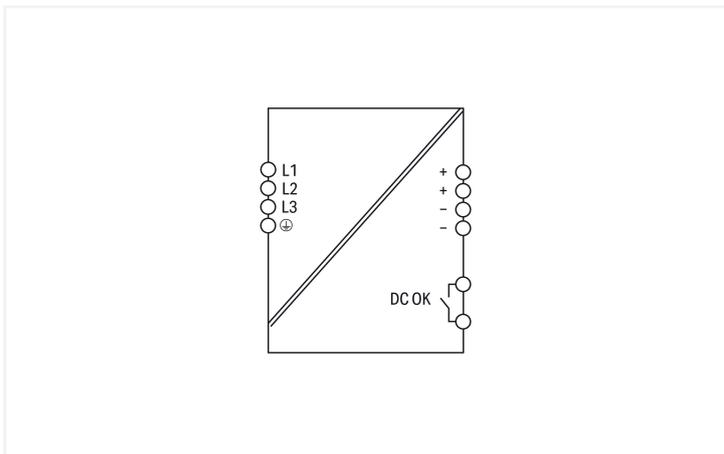


Data Sheet | Item Number: 2587-2348

Switched-mode power supply; Base; 3-phase; 24 VDC output voltage; 40 A output current; DC OK contact

<https://www.wago.com/2587-2348>



Features:

- Optical status indication
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Connection technology with push-in termination
- Electrically isolated output voltage (SELV) per EN 61010-2-201/UL 61010-2-201

Technical data

Input

Phases	3
Nominal input voltage $U_{i, \text{nom}}$	3 x 400 ... 500 VAC
Input voltage range	3 x 340 ... 550 VAC
Nominal mains frequency range	50 ... 60 Hz
Input current I_i	≤ 2.3 A (340 VAC; nominal load)
Inrush current	≤ 20 A (at 400 VAC / 25 °C)
Power factor	≥ 0.92 (400 VAC; nominal load)
Power factor correction (PFC)	Active
Mains failure hold-up time	≥ 20 ms (3 x 400 VAC)

Output

Nominal output voltage $U_{o, \text{nom}}$	24 VDC (SELV)
Output voltage range	23.5 ... 28 VDC
Default Setting	24 VDC
Nominal output current $I_{o, \text{nom}}$	40 A (24 VDC)
Nominal output power	960 W
Deviation	≤ 3 %
Load regulation	≤ 1 %
Residual ripple	≤ 80 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)
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Efficiency/Power Losses

Power loss P_i	≤ 7 W (no load); ≤ 83.5 W (nominal load)
Efficiency (typ.)	93.5 % (400 VAC; nominal load)

Circuit Protection

Internal fuse	T 5 A / 600 VAC
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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 type	IP20
Reverse voltage protection	Yes
Resistance to reverse feed	≤ 35 VDC
Overvoltage category	III (≤ 2000 m a.s.l.; at 300 V); II (≤ 5000 m a.s.l.; at 300 V)
Pollution degree	2
Transient suppression (primary)	Yes
Short-circuit-protected	Yes
Open-circuit-proof	Yes
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 2626 Series
Solid conductor	0.2 ... 10 mm ² / 24 ... 8 AWG
Fine-stranded conductor	0.2 ... 10 mm ² / 24 ... 8 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 6 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 6 mm ²
Strip length	13 ... 15 mm / 0.51 ... 0.59 inches

Connection 2

Connection type	Signaling
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2086 Series
Solid conductor	0.14 ... 1.5 mm ² / 28 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm ² / 28 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm ²
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches

Physical data

Width	110 mm / 4.33 inches
Height	125 mm / 4.92 inches
Depth from upper-edge of DIN-rail	140 mm / 5.51 inches

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	0 MJ
Weight	2360 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	-19.2 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 UL 61010-2-201 EN 61204-3 EN 61558-2-16 EN IEC 61000-3-2 EN IEC 61010-1 EN IEC 61010-2-201 UL 61010-1

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966768077
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

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	-	E516135_2587-2348	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
			UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 2587-2348	↓

Documentation

Instruction Leaflet			
Primär getaktete Stromversorgung; Ba- se;	V 2.0.0 28.08.2025	pdf 831.74 KB	↓

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

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