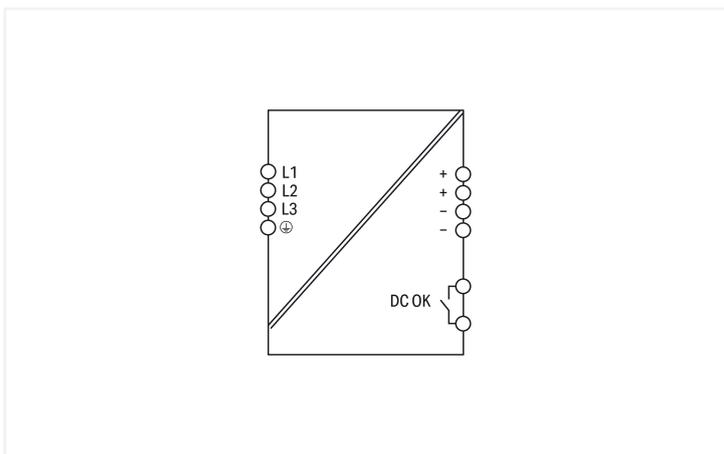


# Data Sheet | Item Number: 2587-2348

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 $I_i$	$\leq 2.3$ A (340 VAC; nominal load)
Inrush current	at 400 VAC / 25 °C
Power factor	$\geq 0.92$ (400 VAC; nominal load)
Power factor correction (PFC)	Active
Mains failure hold-up time	$\geq 20$ 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	$\leq 3$ %
Load regulation	$\leq 1$ %
Residual ripple	$\leq 80$ 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 $P_i$	$\leq 7$ W (no load); $\leq 83.5$ 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	$\leq 35$ VDC
Overvoltage category	III ( $\leq 2000$ m a.s.l.; at 300 V); II ( $\leq 5000$ 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 <sup>2</sup> / 24 ... 8 AWG
Fine-stranded conductor	0.2 ... 10 mm <sup>2</sup> / 24 ... 8 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 6 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 6 mm <sup>2</sup>
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 <sup>2</sup> / 28 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm <sup>2</sup> / 28 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 0.75 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
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](http://www.wago.com)