Data Sheet | Item Number: 2687-2346

Power supply; Eco 2; 3-phase; 24 VDC output voltage; 10 A output current; DC OK contact

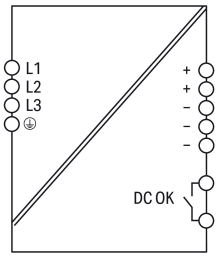
https://www.wago.com/2687-2346





Similar to illustration





Similar to illustration

Features:

- Signal output, optical status indication
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Connection technology with push-in termination and tool-free lever operation
- Electrically isolated output voltage (SELV/PELV) per EN 61010/UL 61010
- Marker slot (Item No. 2789-1233, not included) for WAGO's marking cards (WMB) and WAGO's marking strips

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	50 … 60 Hz
Input current I_i	≤ 0.68 A (400 VAC; nominal load); ≤ 0.58 A (500 VAC; nominal load)
Inrush current	≤ 25 A (after 1 ms)

Input	
Power factor	≥ 0.5 (400 VAC; nominal load)
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 20 ms (400 VAC)

Output

Nominal output voltage $U_{o\ nom}$	24 VDC (SELV)
Output voltage range	24 … 28 VDC
Default Setting	24 VDC
Nominal output current $I_{o\ nom}$	10 A (24 VDC)
Nominal output power	240 W
Deviation	≤ 1 %
Residual ripple	≤ 100 mV (peak-to-peak)
Overload behavior	Constant current up to 110 %; shutdown and automatic restart in the event of a short circuit

Signaling and Communication

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

Efficiency/Power Losses

Power loss P_l	≤ 1.1 W (no load); ≤ 20 W (nominal load)
Efficiency (typ.)	92.5 %

Circuit Protection

Internal fuse	No
Pre-fuse (required)	16 A (for USA/Canada: 15 A)

Safety and protection

Isolation voltage (pri.-sec., AC)	3510 V
Isolation voltage (pri.-PE, AC)	2200 V
Protection class	I
Protection type	IP20; per EN 60529
Overvoltage category	III (≤ 2000 m a.s.l.); II (> 2000 m a.s.l.)
Pollution degree	2
Transient suppression (primary)	Yes
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 700,000 h (per IEC 61709)

Connection Data

Connection 1

Connection type	Input/output/signaling
Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2604 Series
Solid conductor	0.2 … 4 mm² / 24 … 12 AWG
Fine-stranded conductor	0.2 … 4 mm² / 24 … 12 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	9 … 11 mm / 0.35 … 0.43 inches

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Physical data

Width	55 mm / 2.165 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	130 mm / 5.118 inches

Mechanical data

Mounting type	DIN-35 rail

Material data

Weight	1200 g

Environmental requirements

Ambient temperature (operation)	-25 … +70 °C
Ambient temperature (storage)	-40 … +85 °C
Relative humidity	5 … 96 % (no condensation permissible)
Derating	-3 %/K (> 45 °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 SEMI F47 UL 121201 (HazLoc)

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966433265
Customs tariff number	85044083900

Product Classification

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

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Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03080
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 61010-2-201	E255817

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	-	-

Approvals for hazardous areas

Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2687-2346

Documentation

Bid Text

2687-2346	14.04.2025	docx 39.02 KB	
2687-2346	14.04.2025	x81 8.94 KB	

Instruction Leaflet

Netzgerät; Eco 2; 3-phasig; Ausgangsspannung DC 24 V; Ausgangsstrom 10 A; DC-OK-Kontakt	V 2.0.0 11.02.2025	pdf 2596.00 KB	

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CAD/CAE-Data

CAD data

2D/3D Models
2687-2346