

Data Sheet | Item Number: 2687-2346

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

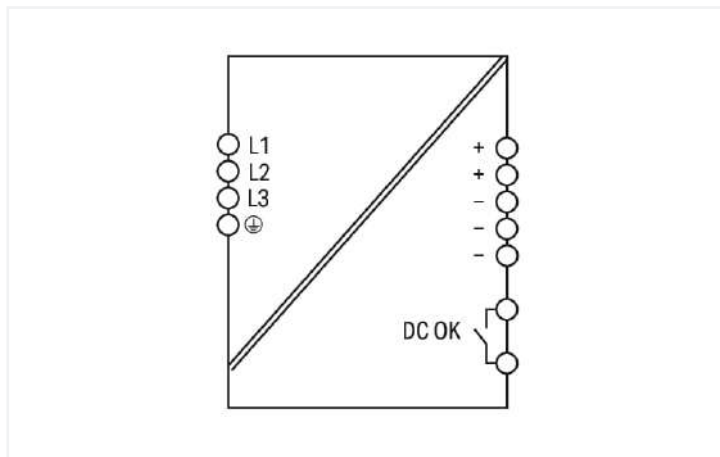
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Similar to illustration



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 AC 400 ... 500 V
Input voltage range	3 x AC 340 ... 550 V
Nominal mains frequency range	50 ... 60 Hz
Input current I_i	≤ 0.68 A (400 VAC; nominal load); ≤ 1.5 A (340 VAC; nominal load)
Inrush current	≤ 25 A (after 1 ms)
Power factor	≥ 0.5 (400 VAC; nominal load)
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 20 ms (230 VAC)

Output	
Nominal output voltage $U_{o, nom}$	DC 24 V (SELV)
Output voltage range	DC 23.5 ... 28 V
Default setting	DC 24 V
Nominal output current $I_{o, nom}$	10 A
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)
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Efficiency/power losses

Power loss P_I	$\leq 1.1 \text{ W}; \leq 20 \text{ W (nominal load)}$
Efficiency (typ.)	92.5 %

Circuit protection

Internal fuse	No
Backup fusing (recommended)	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 ($\leq 2000 \text{ m a. s.l.}$); II ($< \text{gt} / > 2000 \text{ m a. s.l.}$)
Pollution degree	2
Transient suppression (primary)	Yes
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	No
MTBF	$> 700,000 \text{ h (per IEC 61709)}$

Connection data

Connection technology	Push-in CAGE CLAMP®
WAGO connector	WAGO 2604 Series
Solid conductor	0.2 ... 0.4 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 0.4 mm ² / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm ²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm ²
Strip length	9 ... 11 mm / 0.35 ... 0.43 inches

Physical data

Width	55 mm / 2.165 inches
Height	130 mm / 5.118 inches
Depth from upper-edge of DIN-rail	138 mm / 5.433 inches

Mechanical data

Mounting type	DIN-35 rail
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Material data

Fire load	0 MJ
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 at TU ≥ +50°C
Climatic category	3K3 (per EN 60721)
Operating altitude (max.)	3000 m

Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204-2 UL 61010-1 UL 61010-2-201 SEMI F47

Commercial data

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

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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