

Power supply; Eco 2; 1-phase; 24 VDC output voltage; 1.25 A output current;
DC-OK LED



WAGO intelligent wiring technology
made in Germany

Power Supply (48 Vdc) 2687-2142
750 W (21 A) (400 V) 230 V

Technical Data:
In 19, 24 V / 11, 11.4 A, 4 W
Out 2, 3 V / 12, 12.4 A, 8 W

Ambient Temp. -5...+40°C
Derating -45...+40°C

Class II Equipment, Indoor Use Only, IP20
See installation manual No. 8073-9000/2007-2142

CE

2687-2142

DC OK

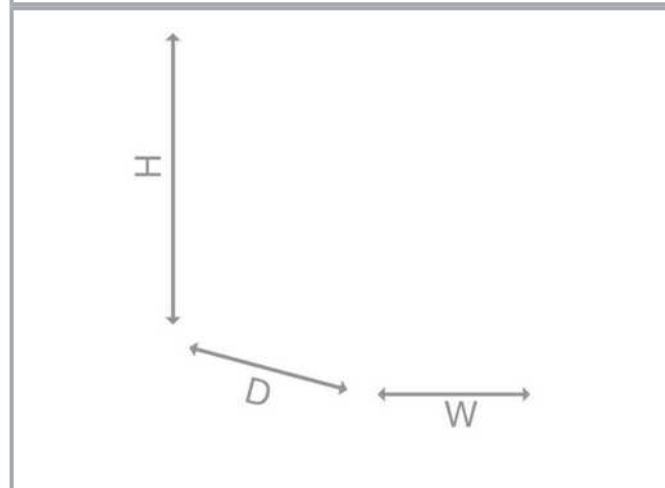
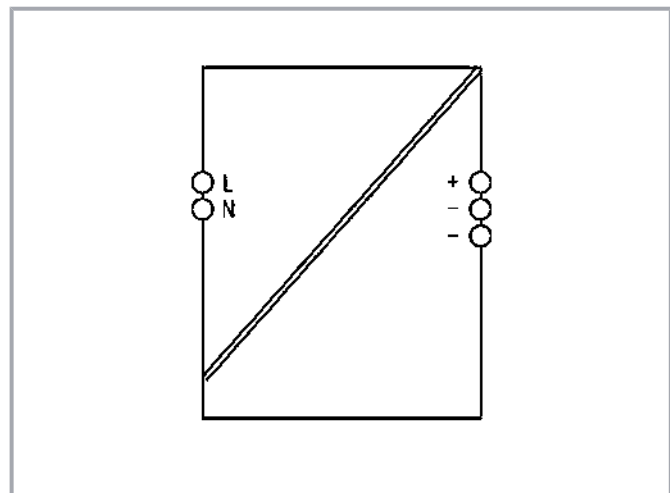
A0

WAGO
Eco 2

Power Supply 24 VDC
= B03 + A26 + T02

X1: 1 2
230 V

X2: 1 2 3
OUT = 24 V / 1.25 A



WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

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We are always happy to take your call at +49 (571) 887-44222.



Item description

Features:

- Optical status indication
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Fast and tool-free termination via lever-actuated terminals with push-in connection technology
- Electrically isolated output voltage (SELV/PELV) per EN 61010/UL 61010
- Marker slot for WAGO marking cards (WMB) and WAGO marking strips

Data

Technical data

Input

Phases	1
Nominal input voltage [V]	1 x AC 100 ... 240 V
Input voltage range	AC 90 ... 264 V
Nominal mains frequency range	50 ... 60 Hz; 0 Hz
Input current I_i	≤ 0.3 A (230 VAC; Nominal load); ≤ 0.6 A (100 VAC; Nominal load)
Inrush current	≤ 10 A (after 1 ms)
Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 120 ms (230 VAC); ≥ 15 ms (110 VAC)

Output

Nominal output voltage [V]	DC 24 V (SELV)
Output voltage range	DC 22 ... 29 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\text{ nom}}$	1.25 A (24 VDC)
Nominal output power	30 W
Control deviation	≤ 1 %
Residual ripple	≤ 30 mV (Peak-to-peak, at 230 VAC)
Overload behavior	Constant power up to 125 %; Shutdown and automatic restart in the event of a short circuit

Signaling and communication

Signaling	1 x LED DC OK (green)
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Subject to changes. Please also observe the further product documentation!

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Efficiency/power losses

Power loss P_l	$\leq 0.2 \text{ W}$ (No load); $\leq 4.3 \text{ W}$ (Nominal load)
Efficiency (typ.)	88 %

Circuit protection

Internal fuse	T 1 A / 250 VAC
Recommended backup fusing	16 A (for USA/Canada: 15 A)

Safety and protection

Isolation voltage (pri.-sec., AC)	3,510 V
Protection class	II
Protection type	IP20 (per EN 60529)
Resistance to reverse feed	$\leq \text{DC } 35 \text{ V}$
Overvoltage category	III ($\leq 2000 \text{ m ü. N.N.}$); II ($> 2000 \text{ m ü. N.N.}$)
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	$> 1,000,000 \text{ h}$ (per IEC 61709)

Connection data

Connection type (1)	Input/output
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.2 ... 4 mm ² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm ² / 24 ... 12 AWG

Physical data

Width	25 mm / 0.984 inch
Height	100 mm / 3.937 inch
Depth from upper edge of DIN-rail	90 mm / 3.543 inch

Mechanical data

Mounting type	DIN-35 rail
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Material data

Weight	160 g
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Environmental requirements

Surrounding air temperature (operation)	-25 ... 70 °C (Device starts at -40 °C (type-tested))
Surrounding air temperature (storage)	-40 ... 85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	See type label/instruction leaflet
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

Commercial data

PU (SPU)	1 Stück
Packaging type	BOX
Country of origin	CN
GTIN	4055144103922
Customs tariff number	85044082900

Approvals / Certificates

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 61010-2-201	E255817

Downloads

Documentation

Manual

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V 1.0.0
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Instruction Leaflet

Stromversorgung; Eco 2
1-phasig; Ausgangsspannung DC 24 V; Ausgangsstrom 1,25 A; DC-OK LED

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2687-2142

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LED

Installation Notes

Product family

Eco 2

[Show all products from the family](#)

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