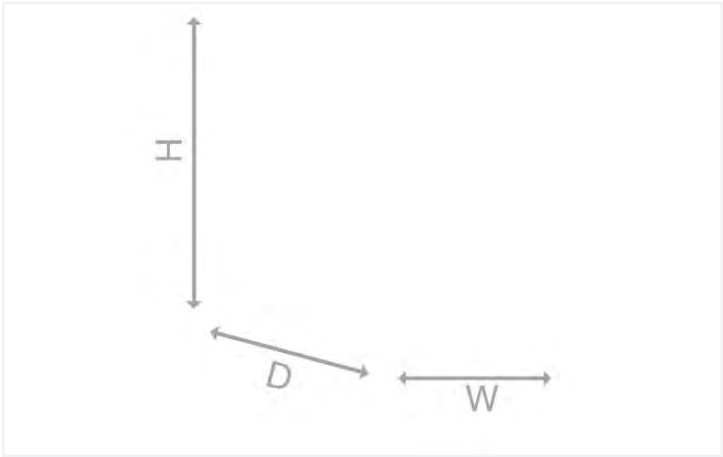
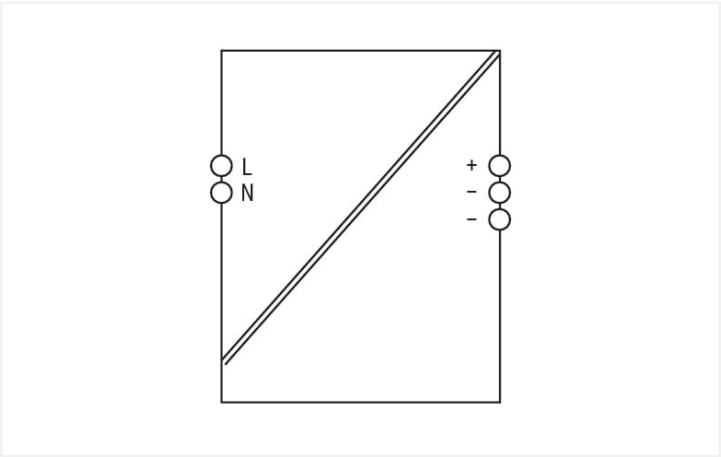


Data Sheet | Item Number: 2687-2142

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

<https://www.wago.com/2687-2142>





Features:

Technical data

Input		Output	
Phases	1	Nominal output voltage $U_{o\,nom}$	DC 24 V (SELV)
Nominal input voltage $U_{i\,nom}$	1 x AC 100 ... 240 V	Output voltage range	DC 22 ... 29 V (adjustable)
Input voltage range	1 x AC 90 ... 264 V	Default setting	DC 24 V
Nominal mains frequency range	50 ... 60 Hz	Nominal output current $I_{o\,nom}$	1.25 A (24 VDC)
Input current I_i	≤ 0.3 A (230 VAC; nominal load); ≤ 0.6 A (100 VAC; nominal load)	Nominal output power	30 W
Inrush current	≤ 10 A (after 1 ms)	Deviation	≤ 1 %
Power factor correction (PFC)	passive	Residual ripple	≤ 30 mV (Peak-to-peak, at 230 VAC)
Mains failure hold-up time	≥ 120 ms (230 VAC); ≥ 15 ms (110 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)

Efficiency/power losses	
Power loss P_i	≤ 0.2 W (No load); ≤ 4.3 W (Nominal load)
Efficiency (typ.)	88 %

Circuit protection	
Internal fuse	T 1 A / 250 VAC
Backup fusing (recommended)	16 A (for USA/Canada: 15 A)

Safety and protection	
Isolation voltage (pri.-sec., AC)	3510 V
Protection class	II
Protection type	IP20; per EN 60529
Resistance to reverse feed	$\leq$ DC 35 V
Overvoltage category	III (≤ 2000 m a.s.l.); II (> 2000 m a.s.l.)
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes



Safety and protection	
MTBF	> 1,000,000 h (per IEC 61709)
Connection data	
Connection type 1	Input/output
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Physical data	
Width	25 mm / 0.984 inches
Height	100 mm / 3.937 inches
Depth from upper-edge of DIN-rail	100 mm / 3.937 inches
Mechanical Data	
Mounting type	DIN-35 rail
Material Data	
Fire load	0 MJ
Weight	160 g
Environmental requirements	
Ambient temperature (operation at U _N)	-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/manual
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	
ETIM 8.0	EC002540
ETIM 7.0	EC002540
PU (SPU)	1 pcs
Country of origin	CN
GTIN	4066966156492
Customs tariff number	85044083900
Approvals / Certificates	

General approvals



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc.	UL 61010-2-201	E255817

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 2687-2142

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Documentation

Manual

Product Manual Power supply Eco 2; 1-phase; 24 VDC output voltage; 1.25 A output current

V 1.0.0
03.08.2021

pdf
2790.92 KB

↓

Bid Text

2687-2142

xml
7.11 KB

↓

2687-2142

docx
33.09 KB

↓

Instruction Leaflet

Stromversorgung; Eco 2

V 1.0.0
16.06.2021

pdf
2279.02 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models 2687-2142

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1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marker carrier



Item No.: 2789-1223
Marker carrier; for WMB or marking strips;
Length: 23 mm