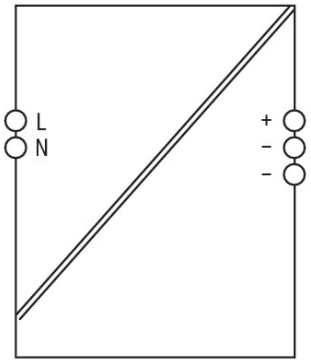
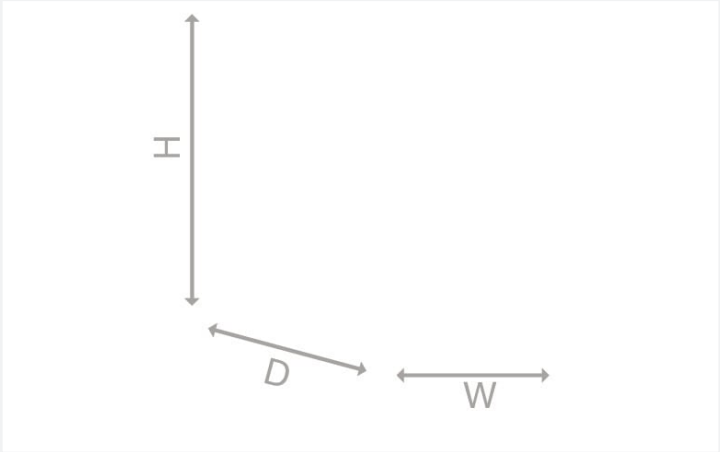
Data Sheet | Item Number: 2687-2142

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:

- 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 (2789-1223, not included) for WAGO marking cards (WMB) and WAGO marking strips

Technical data

Input

Phases	1
Nominal input voltage $U_{i\,nom}$	1 x AC 100 … 240 V
Input voltage range	1 x AC 90 … 264 V
Nominal mains frequency range	50 … 60 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 $U_{o\,nom}$	DC 24 V (SELV)
Output voltage range	DC 22 … 29 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\,nom}$	1.25 A (24 VDC)
Nominal output power	30 W
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)

Efficiency/power losses

Power loss P_l	≤ 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	≤ 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

 Continued on next page

Safety and protection

MTBF	> 1,000,000 h (per IEC 61709)