PULS does it again: practical, versatile and reliable like the SilverLine – yet small like no other.

MiniLine (Dual Output)
with DC ±12V / ±15V (36W)

- Mounted and connected in record time, no tools required
- World-wide approvals (UL, EN, CSA, CB Scheme) for industry and office/home
- Tiny: WxHxD = 45 x 75 x 91mm
- NEC Class 2 Power Supply
- Output voltage adjustable to DC ±12V (without jumper) or DC ±15V (with jumper)
- 100-240V Wide Range Input
- PULS Overload Design™ (high output overload capability)
Input AC100-240V (Wide Range), 47...63 Hz
Admiss. limits: AC 85...264V (DC 85...375V)

Input current <0.85A (AT 100V <3W Pout @ 240V), <0.4A (AT 196V <3W Pout @ 36W)

External fusing not required, unit provides internal fuse (T3A15H, not accessible)

Transient immunity Transient resistance acc. to VDE 0160 / W2
>100ms @ AC 196V (+12V / 2A, -12V / 1A; +15V / 1,6A, -15V / 0,8A)
>180ms @ AC 230V (+12V / 2A, -12V / 1A; +15V / 1,6A, -15V / 0,8A)

Hold-up time (see diagram below): >100ms @ AC 196V and >180ms @ AC 230V

Efficiency 86% (AC 230V, 36W)
(see also diagram below)

MTBF (Reliability) 600,000 h acc. to Siemensnorm SN29500
(symetric load / 36W, AC 230V, Tamb = 40°C)

Prior to shipment, every unit undergoes the following tests in order to isolate any defective units which may suffer an early failure:
- Run-in/burn-in (Full load, Tamb = +60°C, on/off cycle)
- Functional test (100%)

Construction, Mechanics, Installation

Robust plastic housing (US Patent No. D442,923S), fine ventilation grid on three housing sides to keep out small parts (e.g. screws), IP20

Carefully designed momentary, vibration-resistant and maintenance-free.

Dimensions and weight
- W x H x D 45mm x 125mm (DIN rail)
- Weight 240 g

Mounting orientation
- Normal convection, no fan required
- Free space for cooling recom’d.: 25mm on sides with ventilation grid

Easy snap-on mounting onto the DIN-Rail (TS35/7.5 or TS35/15).

Connection
- Mounting terminals; uniformly firm hold, vibration-resistant and maintenance-free.

Oven voltage prot. (OVP) <50V

Rated continuous (see output current above); depending on built-in loading, Voltage regulation typ.

Overload behaviour PULS Overload Design™: No switch-off at overloads short-circuit. Thus, you need no oversizing to start awkward loads.

Protection
- Protection against short-circuit, overload and open-circuit.
- Depending on built-in orientation; see diagram below

Power back immunity max. ±20V

Operating indicator Green LED (DC ON)

Environmental Data, EMC, Safety

Ambient temperature range (measured 25mm below unit)
- storage/transport -25°C ... +85°C
- operation -10°C ... +70°C (for derating see diagram below)

Humidity max. 95% (without condensation)

Electromagnetic emissions (EME)
- EN 61000-6-2 (includes EN 61000-6-1)
- Class B (EN 55011, EN 55022)
- Class A (EN 55011, EN 55022)
- Electromagnetic immunity (EMI)
- EN 61000-6-2 (includes EN 61000-6-1)
- Safe low voltage: SELV (EN600950), VDE06007T.1300, PELV (EN50178)
- Prot. class/degree: Class I (EN600950) / IP20 (EN60529)

The PSU complies with all major safety approvals for EU (EN 60 950, EN 60204-1, EN 50178, USA (UL 60950, E137006, UL508 LISTED, E198865), Canada (CAN/CSA-C22.2 No 60950 [CUR], CAN/CSA-C22.2 No. 14 [CUL], CB Scheme (IEC 60950).