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Primary-switched UNO POWER power supply for DIN rail mounting, input: 1-phase, output: 5 V DC/25 W

Product Description

UNO POWER power supplies with basic functionality

Thanks to their high power density, compact UNO POWER power supplies are the ideal solution for loads up to 100 W, particularly in compact control boxes. The power supply units are available in various performance classes and overall widths. Their high degree of efficiency and low idling losses ensure a high level of energy efficiency.

Why buy this product

- Flexible mounting by simply snapping onto the DIN rail
- More space in the control cabinet with up to 20 % higher power density
- Maximum energy efficiency, thanks to over 90 % efficiency and extremely low idling losses under 0.3 W





Key Commercial Data

Packing unit	1 pc
GTIN	4 046356 897082
Weight per Piece (excluding packing)	150.0 g
Custom tariff number	85044030
Country of origin	Germany

Technical data

Dimensions

Width	22.5 mm
Height	90 mm
Depth	84 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-25 °C 70 °C (> 55° C derating : 2.5%/K)
Ambient temperature (storage/transport)	-40 °C 85 °C



Technical data

Ambient conditions

Max. permissible relative humidity (operation)	≤ 95 % (at 25 °C, non-condensing)
Noise immunity	EN 61000-6-2:2005

Input data

Nominal input voltage range	100 V AC 240 V AC
Input voltage range	85 V AC 264 V AC
AC frequency range	45 Hz 65 Hz
Inrush surge current	< 30 A (typical)
Power failure bypass	> 35 ms (120 V AC)
	> 135 ms (230 V AC)
Input fuse	2 A (slow-blow, internal)
Choice of suitable fuses	6 A 16 A (Characteristics B, C, D, K)
Type of protection	Transient surge protection
Protective circuit/component	Varistor

Output data

5 V DC ±1 %
5 A (-25°C 55°C)
55 °C 70 °C (2.5%/K)
Yes, for redundancy and increased capacity
Yes
< 1 % (change in load, static 10 % 90 %)
< 3 % (Dynamic load change 10 % 90 %, 10 Hz)
< 0.1 % (change in input voltage ±10 %)
< 40 mV _{PP} (with nominal values)
25 W
<1s
< 0.3 W
< 4.5 W

General

0.15 kg
> 84 %
4 kV AC (type test)
3 kV AC (routine test)
II (in closed control cabinet)
> 2174000 h (40°C)
horizontal DIN rail NS 35, EN 60715
Alignable: 0 mm horizontally, 30 mm vertically
Conformance with EMC Directive 2004/108/EC
Conformance with LV directive 2006/95/EC
EN 60204-1



Technical data

General

Standard - Electrical safety	IEC 60950-1/VDE 0805 (SELV)
Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations	EN 50178/VDE 0160 (PELV)
Standard – Safety extra-low voltage	IEC 60950-1 (SELV) and EN 60204-1 (PELV)
Standard - Safe isolation	DIN VDE 0100-410
Standard – Limitation of mains harmonic currents	EN 61000-3-2
Approval - requirement of the semiconductor industry with regard to mains voltage dips	EN 61000-4-11
Information technology equipment - safety (CB scheme)	CB Scheme
UL approvals	UL/C-UL listed UL 508
	UL/C-UL Recognized UL 60950

Connection data, input

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²
Conductor cross section flexible min.	0.2 mm²
Conductor cross section flexible max.	2.5 mm²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm
Screw thread	M3

Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	2.5 mm ²
Conductor cross section flexible min.	0.2 mm ²
Conductor cross section flexible max.	2.5 mm ²
Conductor cross section AWG min.	24
Conductor cross section AWG max.	14
Stripping length	8 mm
Screw thread	M3

Classifications

eCl@ss

eCl@ss 4.0	27040702
eCl@ss 4.1	27040702
eCl@ss 5.0	27049002
eCl@ss 5.1	27049002
eCl@ss 6.0	27049002



Classifications

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eCl@ss 7.0	27049002
eCI@ss 8.0	27049002

ETIM

ETIM 4.0	EC000599
ETIM 5.0	EC002540

Approvals

Approvals

Approvals

UL Recognized / UL Listed / cUL Recognized / cUL Listed / IECEE CB Scheme / EAC / EAC / cULus Recognized / cULus Listed

Ex Approvals

Approvals submitted

Approval details

UL Recognized **\$\)**

UL Listed

cUL Recognized

cUL Listed (10)

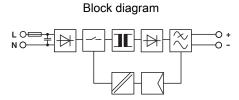
IECEE CB Scheme CB



Approvals

EAC	_	
EAC		
cULus Recognized CSLus		
cULus Listed (10)		

Drawings



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