Uninterruptible power supply - UNO-UPS/24DC/24DC/60W - 2905907

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Uninterruptible power supply with integrated power storage, lead AGM, VRLA technology, 24 V DC, 0.8 Ah.

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	1100.0 g
Custom tariff number	85371091
Country of origin	Germany

Technical data

Dimensions

Width	110 mm
Height	90 mm
Depth	84 mm

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-15 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 60 °C
Max. permissible relative humidity (operation)	≤ 95 % (at 25 °C, non-condensing)
Noise immunity	EN 61000-6-2

Input data

Nominal input voltage range	24 V DC (SELV)
Input voltage range	22.5 V DC ... 29.5 V DC
Current consumption (maximum)	2.8 A
Current consumption (idle)	< 60 mA

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Technical data

Input data

Current consumption (charging process)	< 300 mA
Buffer period	45 min. (0.5 A)
	20 min. (1 A)
	8 min. (2 A)
	5 min. (2.5 A)
Charging time	approx. 5 h
Input fuse	5 A (electronic)

Output data (24 V DC mains operation)

Nominal output current	2.5 A

Output data (24 V DC battery operation)

Nominal output current	2.5 A

General output data

Efficiency	> 95 % (Mains operation, with charged power storage)

General

IQ technology	No
Net weight	1 kg
Memory medium	Lead rechargeable battery module
Protection class	III
MTBF (IEC 61709, SN 29500)	> 1900000 h (40°C)
Mounting position	horizontal DIN rail NS 35, EN 60715
Assembly instructions	Alignable: 0 mm horizontally, 30 mm vertically

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	7 mm
Screw thread	M3

Connection data, output

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm²
Conductor cross section solid max.	2.5 mm²

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Technical data

Connection data, output

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	7 mm
Screw thread	M3

Connection data for signaling

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	7 mm
Screw thread	M3

Standards and Regulations

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Shock	30g in each direction, according to IEC 60068-2-27
Noise immunity	EN 61000-6-2
Standards/regulations	EN 61000-4-3
	EN 61000-4-4
	EN 61000-4-6
Standard - Electrical safety	EN 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)
UL approvals	UL Listed UL 508
	UL/C-UL Recognized UL 60950
Vibration (operation)	< 13.2 Hz, amplitude ±1.0 mm (according to IEC 60068-2-6)

Classifications

eCl@ss

eCl@ss 5.1	27040603
eCl@ss 6.0	27040603
eCl@ss 8.0	27040603

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Classifications

ETIM

ETIM 5.0	EC000382

Approvals

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

Ex Approvals

Approvals submitted

Approval details

UL Listed

cUL Listed

EAC

IECEE CB Scheme

UL Recognized

cUL Recognized

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Approvals

cULus Listed

Accessories

Accessories

Power supply

Power supply unit - UNO-PS/1AC/24DC/ 60W - 2902992

Primary-switched UNO POWER power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/60 W

Power supply unit - UNO-PS/1AC/24DC/100W - 2902993

Primary-switched UNO POWER power supply for DIN rail mounting, input: 1-phase, output: 24 V DC/100 W

Drawings

Block diagram