DC Power Supply

PSU1200-J2-DC-N0

- Certified for ATEX and IECEx Zone 2/22
- Galvanic isolation between input and output
- Provides an output power up to 80 W at 24 V DC
- Fully IP66 rated

DC Power Supply

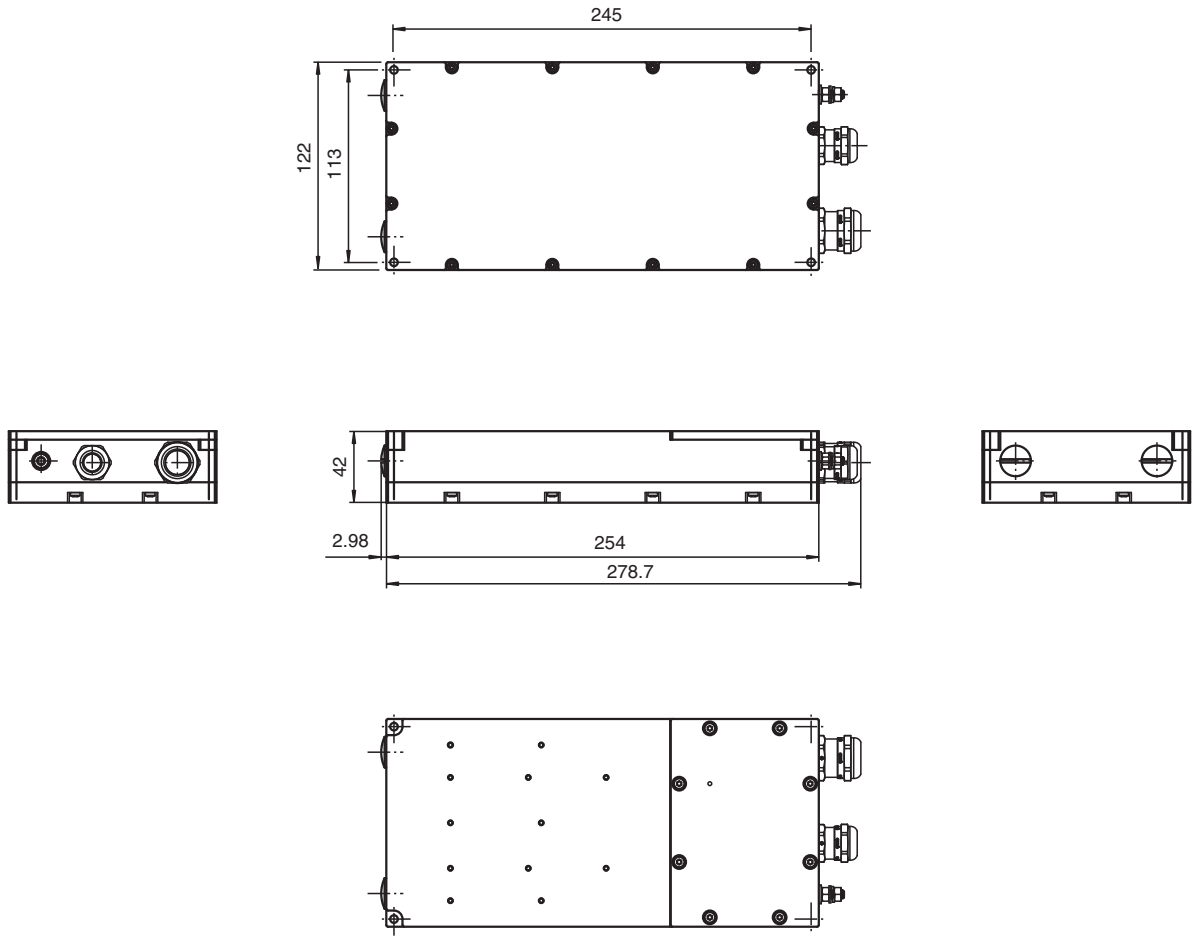
Function

The device is an apparatus certified for use in hazardous area rated according to ATEX directive and IECEx Zones 2 and 22.
The device is a DC-DC power supply and supplies explosion-protected equipment in the hazardous area. The device provides an output voltage of 24 V DC based on 18 V to 36 V DC input voltage.
The output power has a derating from 50 °C to 65 °C (80 W to 50 W).
The device is optimized for use with the following devices:

- Display Unit DPU1200-J2-*
- Thin Client Unit TCU1200-J2-*
- PC Unit PCU1200-J2-*

Release date: 2024-09-02 Date of issue: 2024-09-02 Filename: 271722-100003_eng.pdf

Dimensions



Technical Data

Supply		
Input voltage		18 ... 36 V DC (SELV/PELV acc. IEC 60950-1)
Input current		max. 5.5 A/2.7 A
Output		
Output current		max. 3.3 A
Voltage		24 V DC (SELV)
Power		80 W with derating
Power dissipation		17 W at 80 W output power
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 61326-1:2013 (industrial locations) ; EN 61000-6-4:2007+A1:2011
RoHS		
Directive 2011/65/EU (RoHS)		EN 50581:2012-09
Ambient conditions		
Operating temperature		-20 ... 65 °C (-4 ... 149 °F) with derating
Storage temperature		-20 ... 65 °C (-4 ... 149 °F)
Relative humidity		93% at 40°C, non-condensating, according to EN60068-2-78
Shock resistance		18 shocks 15 g , 11 ms all axis, IEC 60068-2-27
Mechanical specifications		
Core cross section		max. 2.5 mm² (14 AWG)
Degree of protection		IP66
Material		

Release date: 2024-09-02 Date of issue: 2024-09-02 Filename: 271722-100003_eng.pdf

Technical Data

Housing		anodized aluminum
Mass		approx. 2.5 kg
Dimensions		245 mm x 122 mm x 42 mm
Data for application in connection with hazardous areas		
EU-type examination certificate		BVS 16 ATEX E 097 X
Marking		⟨Ex⟩ II 3G Ex ec q IIC T4 Gc ⟨Ex⟩ II 3D Ex tc IIIC T85°C Dc
Directive conformity		
Directive 2014/34/EU		EN 60079-0:2012+A11:2013, EN 60079-5:2015, EN 60079-7:2015, EN 60079-31:2014
International approvals		
IECEx approval		IECEx BVS 16.0063X
Approved for		Ex ec q IIC T4 Gc Ex tc IIIC T85°C Dc
Standards		IEC 60079-0:2011 , IEC 60079-5:2015 , IEC 60079-7:2015 , IEC 60079-31:2013

Release date: 2024-09-02 Date of issue: 2024-09-02 Filename: 271722-100003_eng.pdf