HDL-MSP1200.431
1200mA Power Supply Module

buspro

Datasheet

Issued: March 8, 2019
Edition V1.0.0

Figure 1. 1200mA Power Supply Module

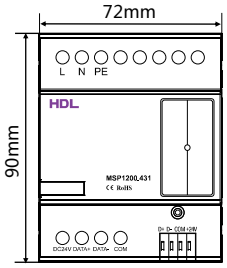

Figure 2. Dimensions - Front View

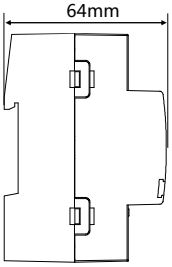

Figure 3. Dimensions - Side View

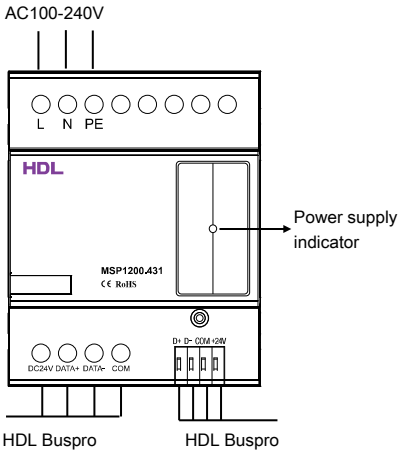

Figure 4. Wiring

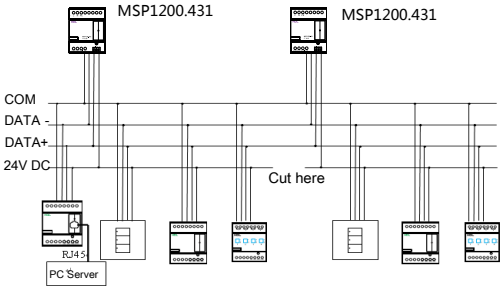

Figure 5. Wiring

Overview

1200mA Power Supply Module (See Figure 1) can provide 24V DC voltage, 1200mA current with 2 connection types. The total current can reach 1200mA.

Functions

- Protection: Short circuit and over current protection
- Power Supply: 24V DC, 1200mA
- Ripple Wave: Less than 150mV

Important Notes

- Buspro cable – CAT5E or dedicated HDL Buspro cable
- Buspro connection – Series connection (hand-in-hand recommended)
- When two or more power supply modules are needed, they should be parallel connected. And the 24V DC terminals of the power supply modules should be disconnected.
- The module has two terminals, and maximum total output current is 1200mA.

Product Information

Dimensions - See Figure 2 - 3

Wiring - See Figure 4 - 5

Installation - See Figure 6 - 8

Step 1. Fix the DIN rail with screws.
Step 2. Buckle the bottom cap of the 1200mA Power Supply Module on the edge of the DIN rail.
Step 3. Press the device on the DIN rail, slide it and fix it up until an appropriate position is adjusted.

Safety Precautions

WARNING

- The installation and commissioning of the device must be carried out by HDL or the organization designated by HDL. For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.
- The device should be installed with DIN rail in DB box. HDL does not take responsibility for all the consequences caused by installation and wire connection that are not in accordance with this document.
- Please do not privately disassemble the device or change components, otherwise it may cause mechanical failure, electric shock, fire or body injury.
- Please resort to our customer service department or designated agencies for maintenance service. The warranty is not applicable for the product fault caused by private disassembly.

Package Contents

HDL-MSP1200.431*1 / Buspro connector*1 / Datasheet*1 / Label*5

Figure 6

1

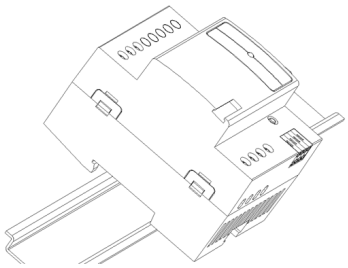

Figure 7

2

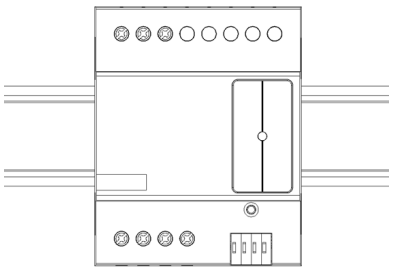

Figure 8

Figure 6 – 8. Installation

Technical Data

Basic Parameters	
Input voltage	AC100-240V(50/60Hz)
Output current	1200mA
Output voltage	24V DC
Output ripple wave	Less than 150mV
External Environment	
Working temperature	-5℃~45℃
Working relative humidity	≤90%
Storage temperature	-20℃~60℃
Storage relative humidity	≤93%
Specifications	
Dimensions	72mm×90mm×64mm
Net weight	188g
Housing material	Nylon, PC
Installation	35mm DIN rail installation (See Figure 6 - 8)
Protection rating (Compliant with EN 60529)	IP20

Name and Content of Hazardous Substances in Products

Components	Hazardous substances					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Chromium VI (Cr (VI))	Poly-brominated biphenyls (PBB)	Poly-brominated diphenyl ethers (PBDE)
Plastic	o	o	o	o	o	o
Hardware	o	o	o	o	-	-
Screw	o	o	o	×	-	-
Solder	×	o	o	o	-	-
PCB	×	o	o	o	o	o

The symbol “-” indicates that the hazardous substance is not contained.

The symbol "o" indicates that the content of the hazardous substances in all the homogeneous materials of the component is below the limit requirement specified in the Standard IEC62321-2015.

The symbol “×” indicates that the content of the hazardous substance in at least one of the homogeneous materials of the part exceeds the limit requirement specified in the Standard IEC62321-2015.

HDL Buspro Cable Guide

HDL Buspro	HDL Buspro Cable	CAT5/CAT5E
DATA+	Yellow	Blue/Green
DATA-	White	Blue white/Green white
COM	Black	Brown white/Orange white
24V DC	Red	Brown/Orange

Technical support
E-mail: support@hdlautomation.com
Website: https://www.hdlautomation.com