



## ПЧН-110DC-24-3 (2) (ВПТС.426424.001-12)

Switched power supply  
 Input voltage 110 VDC  
 Output voltage 24 VDC, 2 channels  
 Output power 75 W/channel  
 DIN-rail mounting  
 Transportation design M25

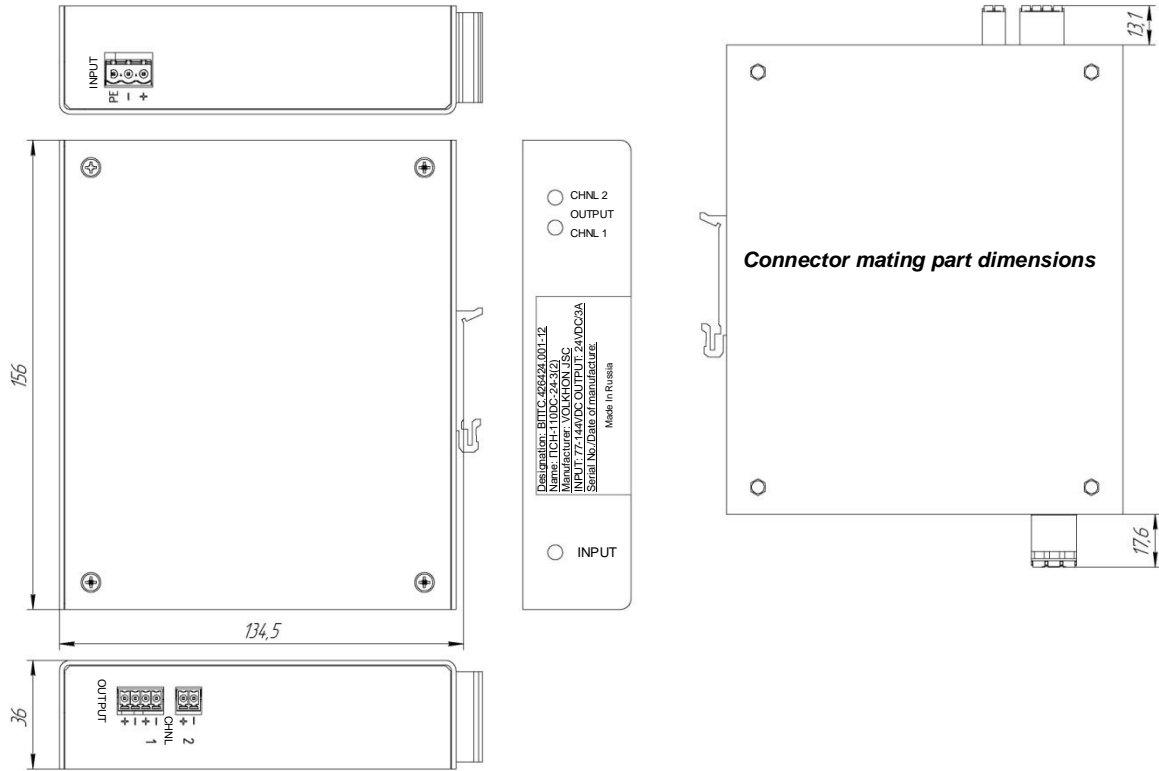
### Features

- Modern hardware components based design
- Russian design and manufacture
- The solution has been developed on the rolling stock of Russian Railways
- Galvanic isolation of channels from each other and input voltage
- Ability to configure channels in a redundant system with a common load
- Input pulse interference and overvoltage protection
- Output overload and short circuit protection
- Starting current limitation
- Low level of generated conducted and inductive interference
- Rolling stock mechanical and climatic design
- Detachable connections provide reliability and ease of installation
- Possibility of CAN interface control
- Certificate of Conformity TR CU 001/2011

### Specifications

Name	Value
DC supply voltage	77 to 144 V
DC output voltage, 2 channels	24 ± 1 V
Output power per one channel	75 W
Efficiency	91% min
Maximum continuous output current of one channel	3.00 ± 0.15 A
Starting current	1 A, max
Short circuit protection	load trip
Input overvoltage protection	150..250 V, up to 2 s
Input pulse interference protection	up to 600 V, 10 ms
Output voltage ripple	±50 mV, max
Operating temperature	-50 °C to +70 °C
Service life	20 years
Protection level	IP20
Unit weight, max	1 ± 0.1 kg, max
Overall dimensions (HxWxD)	156 x 36 x 134.5
Structural design category	M25

## Outline drawing



## Connection Diagram

