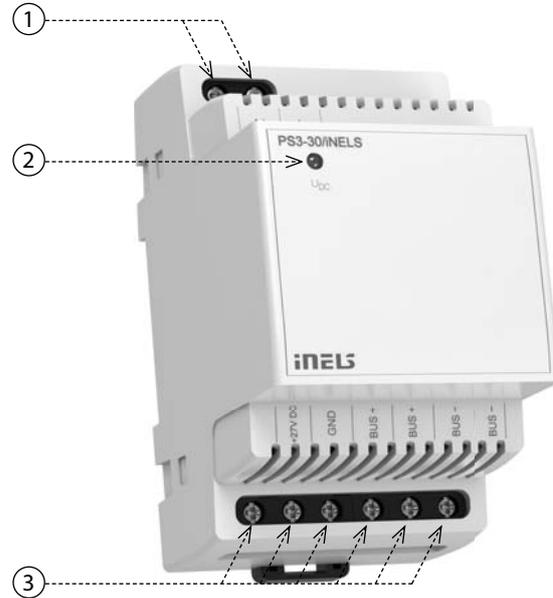




Characteristics

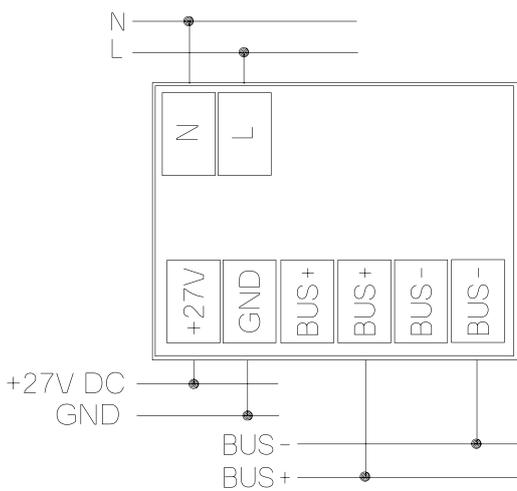
- PS3-30 / iNELS is a switched stabilized power supply with a total power of 30 W.
- The PS-xxx / iNELS series power supplies are used to supply central units and external masters within the iNELS bus.
- The PS-xxx power supply is equipped with electronic protection against short circuit, overvoltage, power and temperature overload.
- The power supply includes an internally integrated BPS3-01M bus isolator for powering one branch of the BUS, from which the iNELS peripheral units are also supplied.
- PS3-30 / iNELS in 3-MODULE version is intended for mounting in a switchboard on DIN rail EN60715

Description of device



1. Terminals of supply voltage
2. Indication LED
3. Terminals of output voltage

Connection



Technical parameters

Input AC

Voltage range:	100 - 250 V AC/50 - 60 Hz
Dissipated power:	max. 5,2W
Burden without load (max.):	max. 5,5 VA/1.3 W
Burden with full load (max.):	max. 55 VA/33 W
Protection:	safety fuse T2A inside the unit

Output

Output voltage:	27 V
max. current:	1 A
Efficiency:	> 83 %
Time delay after connection:	max. 200mS

Indication LED STATUS

green LED U _{DC} :	Output voltage
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Operating conditions

Electric strength AC input - output BUS:	4 kV
The connection terminals:	row
Cable size (mm ²):	max. 1 x 2.5, max. 2 x 1.5 (with sleeve max. 1 x 1.5)
Operating temperature:	-20 °C ... +55 °C
Storage Temperature:	-30 °C ... +70 °C
Working humidity:	20 ... 90 % RH
Protection degree:	IP20 devices, IP40 with cover in the switchboard
Overvoltage category:	III.
Degree of pollution:	2
Working position:	arbitrary, vertical is optimum
Installation:	to the switching board on the EN60715 DIN rail
Execution:	3-MODULE
Dimensions:	90 x 52 x 65 mm
Weight:	170g
Related standards:	EN61204, EN61204-7, EN61204-3

Warning

Before the device is installed and operated, read this instruction manual carefully and with full understanding and Installation Guide System iNELS3. The instruction manual is designated for mounting the device and for the user of such device. It has to be attached to electro-installation documentation. The instruction manual can be also found on a web site www.inels.com. Attention, danger of injury by electrical current! Mounting and connection can be done only by a professional with an adequate electrical qualification, and all has to be done while observing valid regulations. Do not touch parts of the device that are energized. Danger of life-threat! While mounting, servicing, executing any changes, and repairing it is essential to observe safety regulations, norms, directives and special regulations for working with electrical equipment. Before you start working with the device, it is essential to have all wires, connected parts, and terminals de-energized. This instruction manual contains only general directions which need to be applied in a particular installation. In the course of inspections and maintenance, always check (while de-energized) if terminals are tightened.

