

- Used to supply central units and external master within intelligent electroinstallation iNELS.
- Through BUS separators from the supply voltage BPS3-01M and BPS3-02M, it supplies BUS lines from which iNELS peripheral units are also powered.
- Rated output voltage 27V DC with the possibility of regulation.
- High efficiency of up to 90%.
- Low ripple & noise.
- Protection: Overload, Over voltage and Short circuit.
- Continuously adjustable output voltage to adapt to the specific application, e.g. the need to compensate for the voltage drop caused by the length of the line.

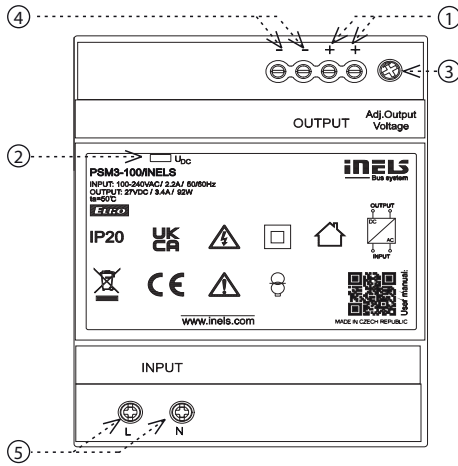
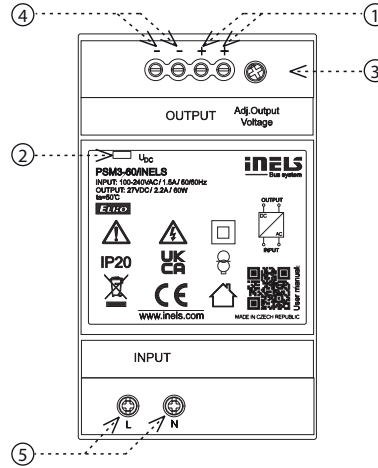
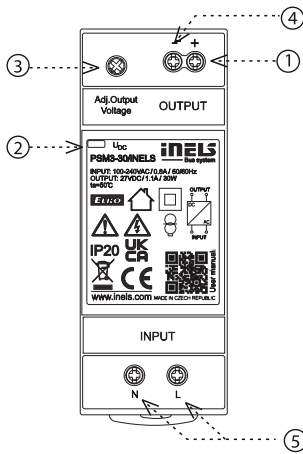
EAN code: PSM3-100/iNELS - 8595188184786
 PSM3-60/iNELS - 8595188184779
 PSM3-30/iNELS - 8595188184762

Order Code: PSM3-100/iNELS - 8478
 PSM3-60/iNELS - 8477
 PSM3-30/iNELS - 8476

Technical parameters	PSM3-30/iNELS	PSM3-60/iNELS	PSM3-100/iNELS
Input			
Voltage range:	AC 100 - 240 V (50-60 Hz)		
Tolerance:	± 10%		
Efficiency:	89%	90%	90%
Burden without load (max.):	0.4W / 8VA	0.5W / 6.5VA	0.1W / 12VA
Burden with full load (max.):	33W / 60VA	70W / 111VA	105W / 160VA
Inrush current:*	max. 25A at 115V AC/60Hz max. 45A at 240V AC/50Hz	max. 30A at 115V AC/60Hz max. 60A at 240V AC/50Hz	max. 35A at 115V AC/60Hz max. 70A at 240V AC/50Hz
Output			
Rated voltage:	27V DC	27V DC	27V DC
Vol. setting range:	21.5 - 28.5V	20.5 - 29V	24.5 - 28V
Rated current:	1.1A	2.2A	3.4A
Rated power:	30W	60W	92W
Ripple & Noise:	150mV	150mV	150mV
Output indication:	blue LED	green LED	blue LED
Tolerance of output voltage:	5 %		
Overload protection:	from 130% - 200% rated output power		
Overvoltage protection:	from 110 % - 145% rated output power		
Overcurrent protection:	from 110% - 180% rated output power		
Short circuit protection:	temporarily disconnecting the output		
Other information			
Operating temperature:	-20 to +50°C		
Operating humidity:	20% ~ 90% non-condensing		
Storage temperature:	-40 to +80°C		
Dielectric strength:	3kV AC		
Isolation resistance:	100M Ω / 500V DC / 25°C / 70% RH		
Overvoltage category:	III.		
Pollution degree:	2		
Max. cable size:	max. 1x 2.5 mm ² , max. 2x 1.5 mm ² solid wire / with sleeve max. 1x 2,5 mm ²		
Terminal torque:			
Input terminals:	0.3 Nm		
Output terminals:	0.5 Nm		
Protection degree:	IP20		
MTBF:	200 000 hours minimum, full load at 25°C ambient temperature		
Mounting:	DIN rail EN 60715		
Dimensions:	90 x 35 x 58 mm	90 x 52.5 x 58 mm	90 x 70 x 58 mm
Weight:	120 g	190 g	270 g
Standards:	general: EN61204, safety: EN61204-7, EMC: EN61204-3		

* The stated values are valid for the full load from the source

Description

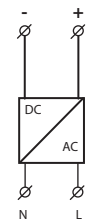


1. Output voltage terminals ⊕
2. Output voltage indication
3. Adjusting the output voltage
4. Output voltage terminals ⊖
5. Supply terminals

Connection

PSM3-30/iNELS

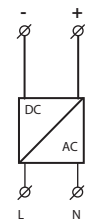
DC 27 V / 1.1 A



AC 100 - 240 V
50 Hz / 60 Hz

PSM3-60/iNELS

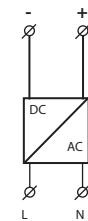
DC 27 V / 2.2 A



AC 100 - 240 V
50 Hz / 60 Hz

PSM3-100/iNELS

DC 27 V / 3.4 A



AC 100 - 240 V
50 Hz / 60 Hz

Power supplies PSxM are overcurrent protection devices, because it turns power supplies off, if the output current exceeds more than 30 % of the rated output of the power supply. Therefore, these units are not intended to supply e.g. halogen lamps, because the starting / inrush current (in the cold state) is approximately ten times the amount of the steady-state operating current. So these power supplies cannot turn on such lamps.