DIGITUS® 5V / 2.4A / 12W Step-Shape DIN-Rail power supply (Ultra-Slim, Class II)

DN-PWR-SST-125

EAN 4016032508083



Step Power Supply 5V DC, 2.4A, 12W, enclosed type Ideal for sensors, IoT and low-voltage electronics

The DIGITUS DN-PWR-SST-125 is an ultra-compact 5 V DIN rail power supply with 12 W output, specially designed for modern electrical and building installations. With a width of just 18 mm, it requires minimal space in distribution cabinets and is ideal for applications in which many low-voltage devices have to be operated in a very small space. Thanks to the wide input voltage range of 90-264 V AC / 127-370 V DC, the power supply unit can be used worldwide and provides a stable 5 V DC supply of up to 2.4 A. The output voltage can be set between 4.5 and 5.5 V, which enables perfect adaptation to microcontrollers, sensors or bus systems. The equipment includes comprehensive protective circuits such as short-circuit, overload and overvoltage protection. Class II, Class 2/LPS insulation and high efficiency ensure long-lasting, energy-optimized operation. With its robust temperature range of -20 to +47 °C, the DN-PWR-SST-125 is suitable for building automation, industry, smart home systems, access solutions, control systems, IoT gateways and wherever a reliable 5 V power supply is required. In industry, the power supply unit reliably supplies PLC sub-assemblies, I/O modules, RS485/RS232 communication devices, mini PLCs or relay field modules. It is also ideal in the IoT and edge environment - e.g. for gateways, protocol converters, edge sensors, low-power WLAN/mobile radio modules and microcontroller applications.

Extremely slim 5 V power supply unit for narrow control cabinets - high efficiency, can be used worldwide and fully protected for the reliable supply of sensors, IoT and control systems.

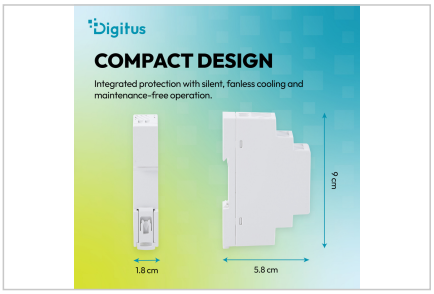
- Output voltage: 5 V DC
- Output current: 2.4 A
- Output power: 12 W
- Voltage setting range: 4.5-5.5 V
- Ripple & Noise: 80 mVp-p
- Voltage tolerance: ±2 %
- Line regulation: ±1 %
- Load regulation: ±1 %
- Input voltage: 90-264 V AC / 127-370 V DC
- Frequency range: 47-63 Hz
- Inrush current: 25 A @ 115 V / 45 A @ 230 V
- AC current consumption: 0.5 A @ 115 V / 0.25 A @ 230 V
- Efficiency: 80 %
- Overload protection: 110-145 % (hiccup mode, auto-recovery)
- Overvoltage protection (OVP): 5.75-6.75 V
- Short-circuit protection: Yes (auto-recovery)
- Working temperature: -20 °C to +47 °C
- Storage temperature: -40 °C to +85 °C
- Humidity: 20-90 % RH (non-condensing)
- MTBF: > 1,000,000 h (MIL-HDBK-217F)
- Vibration: IEC60068-2-6 (10-500 Hz, 2G)
- Operating altitude: up to 5000 m
- Isolation Class II
- Class 2 / LPS
- Safety standards: UL62368-1, EN62368-1
- EMC (emission/immunity): EN55032 Class B / EN61000-4-2/3/4/5/6/8/11
- Insulation voltage: 4 kV AC
- Dimensions: 18 × 90 × 58 mm
- Weight: 78 g
- Mounting: DIN rail (TH35)
- Connections (input): AC/N (terminal 3), AC/L (terminal 4)
- Connections (output): +V (1), -V (2)

Package contents

- 1× DIGITUS DN-PWR-SST-125 Step-Shape DIN-Rail power supply unit (5 V / 2.4 A / 12 W)
- 1× Quick Installation Guide (QIG)

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	100	7.00	16.00	42.00	36.00	24,192.00
Packaging Unit Inside	1	0.07	2.80	10.00	6.80	190.40
Packaging Unit Single	1	0.07	2.80	10.00	6.80	190.40
Net single without Packaging	1	0.07	5.50	1.80	9.00	0.00

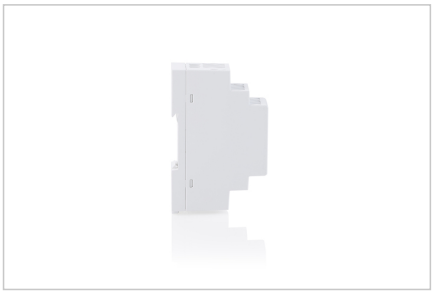
More images:





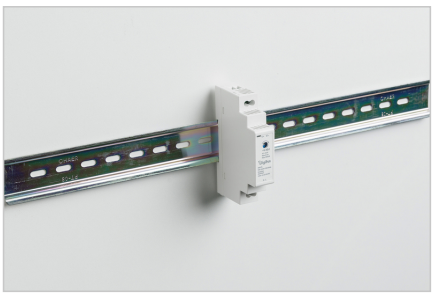












Safety notes

- This product is intended for indoor use only.
- Read all instructions and follow all warnings and instructions on the device.
- Do not place this appliance on an unstable surface (such as a trolley, stand, table, etc.).
- Do not use this appliance near water.
- Do not place this appliance near or above a radiator.
- The housing is equipped with openings for heat dissipation and ventilation. To prevent overheating during operation, the ventilation openings must not be blocked or covered.
- Do not place the appliance on a soft surface (e.g. bed, sofa, blanket, etc.). This will block the ventilation.
- The appliance must not be installed in a closed environment if adequate ventilation is not guaranteed.
- Do not spray any liquids onto the appliance.
- Disconnect the mains plug before cleaning. Do not use any liquid or foam cleaners.
- Clean the appliance with a damp cloth.
- Connect the device according to the power supply on the rating plate.
- To prevent damage to the appliance, it is important that all appliances are properly earthed.
- Do not place any objects on the mains cable and lay it in such a way as to avoid tripping hazards.

- Use a surge protector, a regulator or an uninterruptible power supply (UPS) to protect your system from sudden, temporary and reduced power.
- Secure the system cable and mains cable properly and ensure that no objects are pressing on the cable.
- Do not insert any objects into the appliance through the openings in the housing. There is a risk of a short circuit, which can lead to fire or electric shock.
- Do not attempt to repair the appliance yourself. Always contact an authorized customer service centre.
- If any of the following conditions occur, unplug the appliance and send it to an authorized service centre for repair
- The mains cable, power supply unit or plug for the power supply is damaged or worn;
- Liquid has penetrated the appliance;
- The device has been exposed to rain or water;
- The device has been dropped or the housing has been damaged;
- The function of the device has obviously changed;
- The appliance cannot be operated as described in the operating instructions.

EU responsible person

EU based economic operator ensuring the product complies with the required regulations.

ASSMANN Electronic GmbH
Auf dem Schüffel 3
Lüdenscheid, Germany
https://www.assmann.com
info@assmann.com