DIGITUS® 12V / 2A / 24W Step-Shape DIN-Rail power supply unit (Slim, Class II)

DN-PWR-SST-2412

EAN 4016032508113



Step Power Supply 12V DC, 2A, 24W, enclosed type Ideal for sensors, IoT and low-voltage electronics

The DIGITUS DN-PWR-SST-2412 is a powerful 12 V DIN rail power supply with 24 W rated power and a compact step-shape design. With a width of just 35 mm, it is ideal for distribution boards, control cabinets, automation modules and IoT infrastructures where every millimeter counts. The wide input voltage range of 90-264 V AC / 127-370 V DC enables worldwide use, while the output provides a stable 12 V DC voltage with 2 A. The output voltage can be flexibly adjusted between 10.8 and 13.8 V - a decisive advantage for long cable runs or consumer loads that require precise voltage adjustment. Thanks to comprehensive protective circuits such as short-circuit, overload and overvoltage protection, the power supply works reliably even under demanding conditions. The combination of Class II, Class 2/LPS insulation, high efficiency of 88%, wide temperature range and robust EMC design makes the DN-PWR-SST-2412 the ideal voltage source for modern automation, building and IoT systems. Typical applications include 12 V sensors and actuators, control modules such as relay cards or zone controllers, door intercoms, switching modules and smart building logic. In industrial and automation technology, the stable 12 V supply enables the reliable operation of PLC slave units, I/O modules, RS485/RS232 communication devices, mini PLCs or relay field modules. The power supply unit also reliably supplies gateways, protocol converters, edge sensors, embedded modules and communication components in the IoT and edge computing sector. In security and access control, it supplies stable power for door opener modules, card and RFID readers, video door stations as well as intercom and access communication systems.

Compact 12 V power supply unit for narrow control cabinets - high efficiency, can be used worldwide and is fully protected. Ideal for building automation, industry, IoT modules and access solutions.

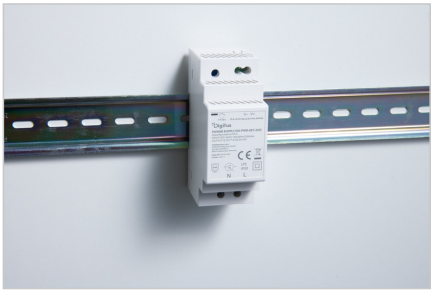
- Output voltage: 12 V DC
- Output current: 2 A
- Output power: 24 W
- Voltage setting range: 10.8-13.8 V
- Ripple & Noise: 120 mVp-p
- Voltage tolerance: ±2 %
- Line regulation: ±1 %
- Load regulation: ±1 %
- Input voltage: 90-264 V AC / 127-370 V DC
- Frequency range: 47-63 Hz
- Inrush current: 25 A @ 115 V / 45 A @ 230 V
- AC current consumption: 0.88 A @ 115 V / 0.48 A @ 230 V
- Efficiency: 88 %
- Overload protection: 105-160 % (hiccup mode, auto-recovery)
- Overvoltage protection (OVP): 15-18 V
- Short-circuit protection: Yes (auto-recovery)
- Working temperature: -20 °C to +70 °C
- Storage temperature: -40 °C to +85 °C
- Humidity: 20-80 % RH (non-condensing)
- MTBF: > 900,000 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
- Insulation voltage: 4 kV AC
- Dimensions: 35 × 90 × 58 mm
- Weight: 120 g
- Mounting: DIN rail (TH35)
- Connections (input): AC/L (1), AC/N (2)
- Connections (output): +V (3), -V (4)

Package contents

- 1× DIGITUS DN-PWR-SST-2412 Step-Shape DIN-Rail power supply unit (12 V / 2 A / 24 W)
- 1× Quick Installation Guide (QIG)

Logistics						
	Number (pcs)	Weight (kg)	Depth (cm)	Width (cm)	Height (cm)	cm³
Packaging Unit Carton	50	7.50	22.00	37.00	25.00	20,350.00
Packaging Unit Inside	1	0.15	0.00	0.00	0.00	0.00
Packaging Unit Single	1	0.15	4.50	10.00	7.00	315.00
Net single without Packaging	1	0.13	5.80	3.50	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.

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