DIGITUS® 24V / 1.5A / 36W Step-Shape DIN-Rail power supply unit (Slim, Class II)

DN-PWR-SST-3624

EAN 4016032508120



Step Power Supply 24V DC, 1,5A, 36W, enclosed type Ideal for sensors, IoT and low-voltage electronics

The DIGITUS DN-PWR-SST-3624 is a powerful 24 V DIN rail power supply unit with 36 W rated power and a particularly compact step-shape design. With a width of just 35 mm, it is perfect for installations where space is at a premium, such as automation cabinets, distribution cabinets or IoT control boxes. The universal input voltage range of 90-264 V AC / 127-370 V DC enables worldwide use. The output provides a stable 24 V DC voltage with 1.5 A, which can be finely adjusted in the range from 21.6 to 29 V. This offers maximum flexibility for load or line-dependent voltage adjustments. With comprehensive protection mechanisms such as short-circuit, overload and overvoltage protection as well as classification in insulation class II and class 2/LPS, the power supply unit meets high safety requirements. The robust design, high efficiency and wide temperature range make the DN-PWR-SST-3624 the ideal solution for demanding applications in building automation, industrial control technology, IoT infrastructures and security systems. It is ideal for 24 V sensors and actuators, control and relay modules, door intercoms, switching modules and smart building logic. In industrial and automation technology, it serves as a reliable voltage source for PLC slave modules, 24 V I/O modules, communication devices such as RS485/RS232 converters, mini PLCs or relay panels. For IoT and edge applications, the power supply unit supplies gateways, industrial IoT modules, protocol converters, embedded systems and edge sensors. In security and access control, it provides stable power for door openers, RFID and card readers, video door stations as well as intercom and access communication systems, ensuring the safe operation of all 24 V devices.

Compact 24 V power supply unit for industrial applications - high efficiency, can be used worldwide and comprehensive protection functions for the reliable supply of PLC, IoT and 24 V systems.

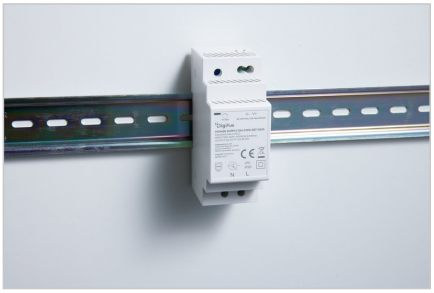
- Output voltage: 24 V DC
- Output current: 1.5 A
- Output power: 36 W
- Voltage setting range: 21.6-29 V
- Ripple & Noise: 150 mVp-p
- Voltage tolerance: ±2 %
- Line regulation: ±1 %
- Load regulation: ±1 %
- Input voltage: 90-264 V AC / 127-370 V DC
- Frequency range: 47-63 Hz
- Inrush current: 25 A @ 115 V / 45 A @ 230 V
- AC current consumption: 0.88 A @ 115 V / 0.48 A @ 230 V
- Efficiency: 89 % (according to data sheet 88-89 %)
- Overload protection: 105-160 % (hiccup mode, auto-recovery)
- Overvoltage protection (OVP): 30-36 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
- Overvoltage category: OVC II
- EMC (emission): EN55032 Class B
- EMC (immunity): EN61000-4-2/3/4/5/6/8/11
- 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-3624 Step-Shape DIN-Rail power supply unit (24 V / 1.5 A / 36 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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