

MINI-SYS-PS-100-240AC/24DC/1.5


Order No.: 2866983



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DIN rail power supply unit, primary-switched mode, slim design, output: 24 V DC / 1.5 A



Commercial data	
EAN	 4 017918 960650
Pack	1
Customs tariff	85044081
Country of Origin	CN
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Product notes

WEEE/RoHS-compliant since:
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Product description

With the MINI-SYS-PS power supply, additional modules can be supplied with 24 DC using the optional DIN rail connectors. The low design depth of 95 mm is a particular advantage for use in surroundings with a low height. The system power supply particularly simplifies the power supply of the FO transmission system PSI-MOS as well as of the analog 6 mm MCR measuring transducer. In this way it emphasizes the seamless character of the INTERFACE product range.

Even without the DIN rail connector, the flat power supply unit 24 V/1.5 A is suitable for many applications in areas in which space is restricted, as the housing is 12 mm flatter than other comparable solutions.

The electronic short-circuit and idling-proof device is connected to single-phase AC networks with nominal voltages of 100 V AC to 240 V AC or to two of the phase conductors of three-phase networks with a linked voltage of this value. In the event of a malfunction, the output voltage is limited to 30 V DC.

Due to the U/I characteristic curve with POWER BOOST, miniature circuit breakers blow reliably. For function monitoring, there is the floating DC OK output and the DC OK LED. High operational reliability is provided by the mains failure bridging time of more than 20 ms under full load.

Ambient temperatures can be in the range of -25°C to +70°C, whereby the power reserve of approx. 25% up to 40°C is permanently available.

Technical data

Input data

Nominal input voltage	100 V AC ... 240 V AC
AC input voltage range	85 V AC ... 264 V AC
AC frequency range	45 Hz ... 65 Hz
Current consumption	Approx. 0.75 A (120 V AC) 0.45 A (230 V AC)
Inrush surge current	< 15 A (0.6 A ² s)
Power failure bypass	> 35 ms (120 V AC) > 150 ms (230 V AC)
Input fuse	3.15 A (slow-blow, internal)
Permissible backup fuse	B6 B10 B16
Type of protection	Transient surge protection
Protective circuit/component	Varistor

Output data

Nominal output voltage	24 V DC ±1%
Output current	1.5 A (-25 °C ... 60 °C) 2 A (with POWER BOOST, -25°C ... 40°C permanent)
Derating	60 °C ... 70 °C (2.5%/K)
Connection in parallel	Yes, for redundancy and increased capacity. Maximum of 2 devices for redundancy on DIN rail connector.
Connection in series	No
Max. capacitive load	Unlimited
Control deviation	< 1 % (change in load, static 10% ... 90%) < 3 % (change in load, dynamic 10% ... 90%) < 0.1 % (change in input voltage ±10%)