


STEP-PS/48AC/24DC/0.5

Order No.: 2868716

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24 V DC/0.5 A DIN rail power supply unit, primary-switched, single-phase.



Commercial data	
EAN	 4 046356 576789
Pack	1
Customs tariff	85044082
Country of Origin	DE
Catalog page information	Page 600 (IF-2011)

Product notes

WEEE/RoHS-compliant since:
23/04/2010

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Product description

STEP POWER power supply units – for building automation

The new STEP POWER generation of compact power supply units is particularly suitable for installation distributors and flat control panels thanks to its design. The power supply units are available with 24 V DC output voltage in various performance classes and widths and with the special voltages 5, 12, 15 and 48 V DC. Their high degree of efficiency and the low standby losses make for high power efficiency.

Technical data

Input data

Nominal input voltage	48 V AC
AC input voltage range	43 V AC ... 52 V AC
DC input voltage range	60 V DC ... 80 V DC
AC frequency range	45 Hz ... 65 Hz
DC frequency range	0 Hz
Current consumption	Approx. 0.5 A (43 V AC) Approx. 0.45 A (48 V AC)
Inrush surge current	< 10 A (typical)
Power failure bypass	> 15 ms (48 V AC) > 20 ms (52 V AC)
Input fuse	1.25 A (slow-blow, internal)
Permissible backup fuse	B6 B10 B16

Output data

Nominal output voltage	24 V DC \pm 1%
Output current	0.5 A (-25°C to +55°C) 0.55 A (-25 °C ... 40 °C permanent) 1 A (maximum output current)
Derating	55 °C ... 70 °C (2.5%/K)
Connection in parallel	Yes, for redundancy and increased capacity
Connection in series	Yes
Control deviation	< 1 % (change in load, static 10% ... 90%) < 2 % (change in load, dynamic 10% ... 90%) < 0.1 % (change in input voltage \pm 10%)
Residual ripple	< 30 mV _{PP} (20 MHz)
Peak switching voltages nominal load	< 20 mV _{PP} (20 MHz)
Maximum power dissipation idling	< 0.3 W
Power loss nominal load max.	< 14.75 W

General data

Width	18 mm
Height	90 mm