

Model number

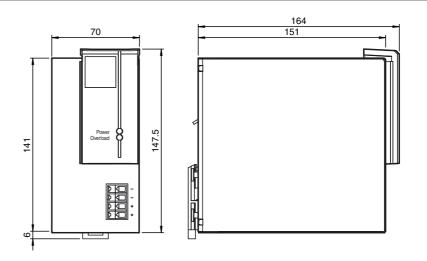
K24-STR-24..30VDC-10A

Power supply, 24 to 30 V DC, 10 A

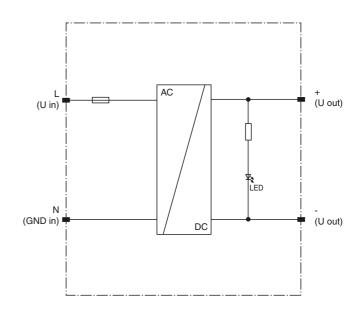
Features

- 8 ... 10 A output load
- 230/115 V AC supply voltage
- Sustained short-circuit proof, overload-proof and open-circuit proof
- 24 ... 30 V DC output voltage, can be regulated
- LED operating display
- LED output overload indicator
- SEL\
- Suitable for AS-Interface power supply in gateway-integrated data decoupling

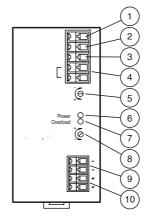
Dimensions



Electrical connection



Indicating / Operating means



1 PE 🖶

Ν

3 L (230 V AC)

4 Additional Connection for 115 V AC

5 Adjustment of the output current limiting

6 LED Power

7 LED Overload

8 Adjustment of the output voltage

9 - Output voltage

) + Output voltage

23176		

E223176		
40 a		

10 a 0 %

Indicators/operating means

Red LFD lights up for overload, flashes for hiccup mode

LED green

Top: Output current limitation (covered by a dummy plug)

Bottom: Output voltage adjustment

Electrical specifications

6.3 AT approx. 0.6 (Depending on input voltage) Capacity factor Rated operating voltage U_{e} 115/230 V AC (for 115 V range, jumper)

Range: 93 to 132 V AC/187 to 265 V AC

Rated operating current 4.0 A (115 V) 1.9 A (230 V)

Supply frequency 47 ... 63 Hz approx. 89 %

approx. 12 A 0 ... 10 A 30 V ± 1 %

Adjustment range 22.5 ... 29.5 V AC

Ambient conditions

-10 ... 70 °C (14 ... 158 °F) with free convection Ambient temperature

-25 ... 85 °C (-13 ... 185 °F) Storage temperature

Mechanical specifications

IP20 Protection degree

Protection class I, Protective conductor connection necessary

Connection terminals, max. conductor cross-section Connection

0.5 to 2.5 mm² Stripping length 5 to 6 mm

approx. 1200 g Mass DIN mounting rail

Mounting

Compliance with standards and directives

Directive conformity EMC Directive 89/336/EEC and

Directive 2006/95/EC

EN 55011, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61000-3-2 Klasse A, EN 61000-3-3,

EN 60950

Standard conformity

Electromagnetic compatibility EN 55011, EN 61000-6-1, EN 61000-6-2

Protection degree EN 60529

Standards Harmonic waves: EN 61000-3-2 Class A

Interference suppression: EN 55022, EN 55011 Class B Electrostatic discharge (ESD): IEC 61000-4-2 (8 kV contact

discharge, 15 kV air discharge)

Electromagnetic fields: IEC 61000-4-3 (10 V/m)

Burst: IEC 61000-4-4 (4 kV input, 2 kV output/capacitively cou-

Surge: IEC 61000-4-5 (4 kV asymmetrical, 4 kV symmetrical) Conducted interference: IEC 61000-4-6 (10 V, 150 kHz to

80 MHz)

Notes

Mounting

In order to ensure proper heat dissipation the power supply has to be mounted vertically in such a way, that the input terminals (L/N/PE) are located at the upper side and the output terminals (+/-) at the lower side of the front panel.

A minimum clearance of 100 mm beneath and above and 30 mm to the right and left of the power supply must be provided.

The inlet air temperature beneath the unit must not exceed the values specified in this instruction.

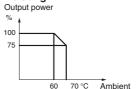
Function

The slim-line power pack provides a direct voltage in an even larger adjustable output voltage range of 23 ... 30 V DC, while optimizing the space available in the control cabi-

The current limit can be adjusted via an internal potentiometer. In addition to an LED showing the operational status (power), a red LED (overload) signals overloads on the output side.

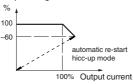
The connecting leads on the input side are safely covered with the plastic cover after installation. The device features a convenient DIN rail fastening.

Derating



Output characteristic

Output voltage



PEPPERL+FUCHS