

Features

- 115/230 V AC supply
- Output 24 V DC, 4 A
- Fused output
- Power Rail connection

Function

This regulated power supply provides 24 V DC, at 4 A. It features removable terminals, LED fault indication, and mounts directly on the Power Rail.

Designed with a replaceable fuse and LED, it will provide a green visual indication for normal operation or a flashing red indication if a fault occurs.

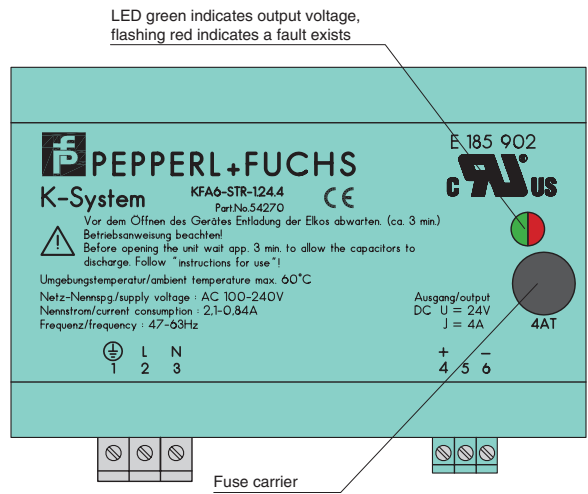
Attention: Ignoring the safety instructions (i. e., touching hot sections when the device is open, handling malpractices) can be extremely dangerous.

When exceeding the values stated in the technical data, there is a danger of overheating. As a result, the operation of the power supply and its electrical safety may be impaired.

Before starting installation or service, switch mains off. Do not plug or unplug powered!

Assembly

Front view

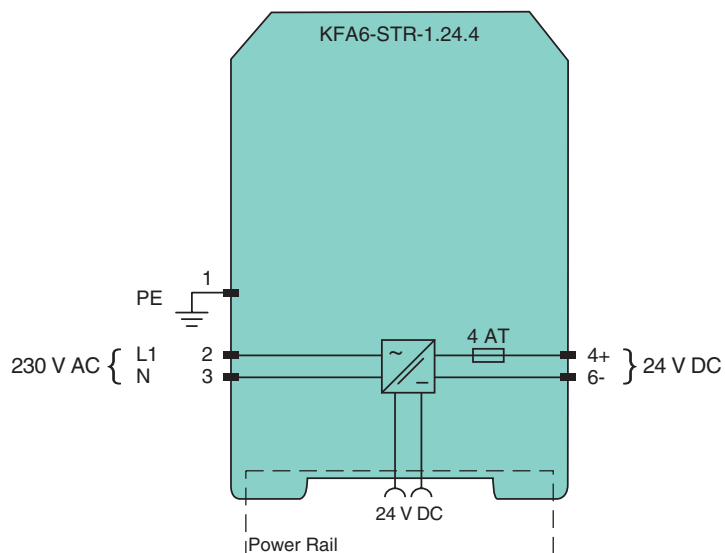


LED green indicates output voltage, flashing red indicates a fault exists

Fuse carrier



Connection



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Supply	
Connection	terminals 1 (PE), 2 (L1), 3 (N)
Rated voltage	92 ... 265 V AC , 47 ... 63 Hz
Rated current	2.1 ... 0.84 A
Failure override time	> 75 ms / 230 V AC ; 5 ms / 115 V AC
Output	
Connection	terminals 4+, 6-
Current	0 ... 4 A , Power Rail limiting by means of fuse 4 AT , electron. limitation typ. 4.6 A
Voltage	23.28 ... 24.72 V DC
Ripple	< 100 mV _{pp}
Efficiency	typ. 87 %
Overvoltage protection	< 28 V DC
Electrical isolation	
Power supply/output	for 253 V AC design insulation voltage
Conformity	
Protection degree	IEC 60529
Electromagnetic compatibility	
Safety	acc. to VDE 0805 / EN 60950
Radio-interference suppression	acc. to VDE 0875 Part 11, EN 55011 class B
Electrostatic discharge	acc. to IEC 60801-2
Contact discharging	8 kV
Air discharging	15 kV
Electromagnetic fields	acc. to IEC 801-3, 10 V/m
Burst IEC 60801-4	Input: 4 kV ; output/capacitively coupled: 2 kV
Surge IEC 60801-5	asymmetrical: L, N -> PE 4 kV ; symmetrical: L -> N 2 kV
Ambient conditions	
Ambient temperature	-20 ... 60 °C (253 ... 333 K)
Mechanical specifications	
Protection degree	IP20
Mass	approx. 800 g
Dimensions	140 x 103.5 x 99 mm (5.5 x 4.1 x 3.9 in)
Mounting	clamping element for snap-mounting on DIN rail as per EN 60715
Connection possibilities	self-opening connection terminals, max. core cross-section 2 x 2.5 mm ²
International approvals	
UL approval	UL recognized E185902
General information	
Supplementary information	Statement of Conformity, Declaration of Conformity and instructions have to be observed where applicable. For information see www.pepperl-fuchs.com .