



Power supply K26-STR-24VDC-2A

- 2 A output load
- 110 - 250 V_{AC} supply voltage
- 24 V DC output voltage
- Continuous short-circuit and continuous open-circuit proof
- LED operating display
- SELV-Output
- Compact design
- 89 % efficiency level
- Suitable for AS-Interface power supply in gateway-integrated data decoupling

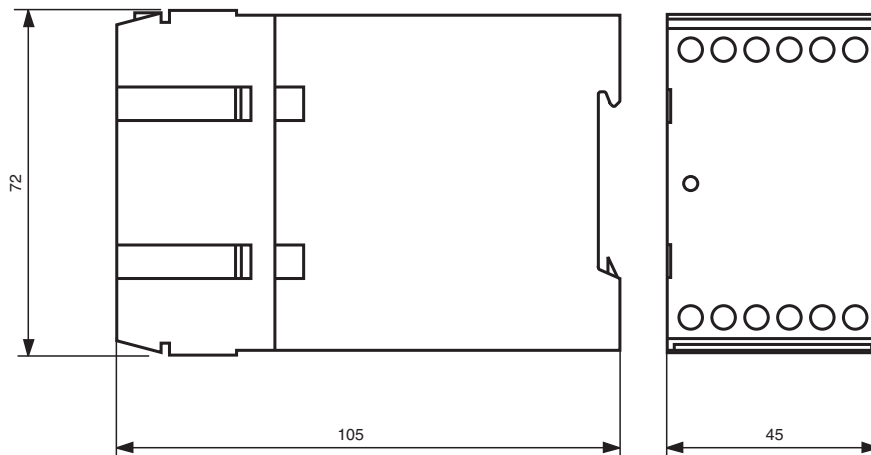
Power supply, 24 V DC, 2 A



Function

The particularly narrow power supply provides direct current with an output voltage of 24 V DC \pm 3 % and provides optimum utilization of space in the control cabinet. The wide range input enables operation with an input voltage of 94 to 265 V AC with an improved efficiency of 89 %. The power supply is continuous open-circuit and continuous short-circuit proof. An LED indicates operation (power). The device features a convenient mounting rail attachment.

Dimensions



Technical Data

General specifications		
UL File Number	E223176	
Indicators/operating means		
LED POWER	LED green	
Electrical specifications		
Fusing	2.5 AT	
Capacity factor		0.45 capacitive at 230 V _{AC} 0.5 capacitive at 120 V _{AC}
Rated operating voltage	U _e	94 ... 265 V _{AC}
Rated operating current	I _e	1.1 A (120 V _{AC}) 0.6 A (230 V _{AC})

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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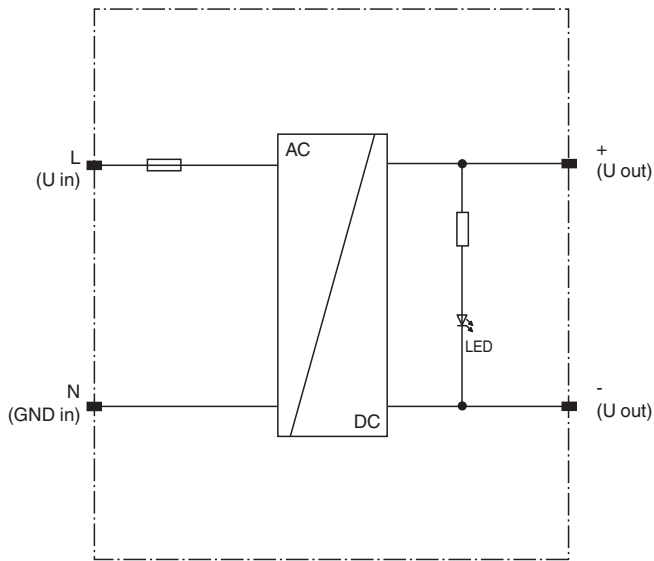
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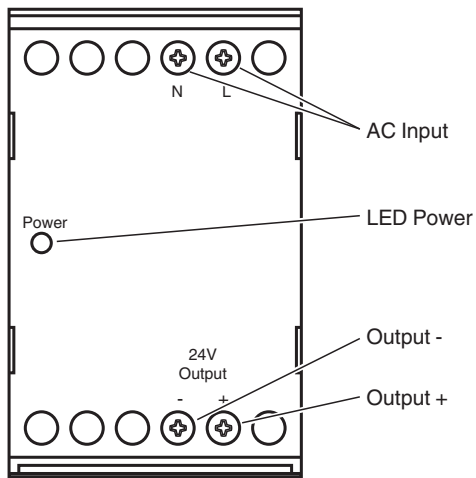
Technical Data

Supply frequency		47 ... 63 Hz
Efficiency		89 %
Nominal voltage		110 ... 250 V _{AC}
Peak inrush current	I ² t	< 1.5 A ² s
Output		
Current limit		2.5 A
Voltage		24 V ± 3 %
Current		0 ... 2 A
Residual ripple		max. 50 mV
Holdup time		> 70 ms/230 V _{AC} > 10 ms/120 V _{AC}
Directive conformity		
Electromagnetic compatibility		
Directive 2014/30/EU		EN 55011:2009, EN 61000-6-2:2001, EN 61000-6-3:2001 EN 61000-6-1:2002, EN 61000-6-4:2002; DIN 61000-3-3:2006
Low voltage		
Directive 2014/35/EU		EN 61010-1:2010
Conformity		
Degree of protection		IEC 60529:2001
Standard conformity		
Electromagnetic compatibility		EN 55011:2009, EN 61000-6-2:2001, EN 61000-6-3:2001, EN 61000-3-2:2006, EN 61000-6-1:2002, EN 61000-6-4:2002; DIN 61000-3-3:2006
Electrical safety		According to VDE 0805:2006/EN 61010-1:2010/IEC 950:2006
Ambient conditions		
Ambient temperature		-10 ... 70 °C (14 ... 158 °F) with free convection
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Degree of protection		IP20
Protection class		II
Connection		Connection terminals, max. conductor cross-section 0.5 ... 2.5 mm ² stripped length 10 mm
Mass		207 g
Mounting		Snap onto 35 mm standard rail compliant with DIN EN 60715:2001

Connection



Assembly



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 the technical specification.

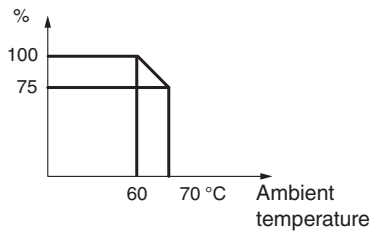
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Characteristic Curve

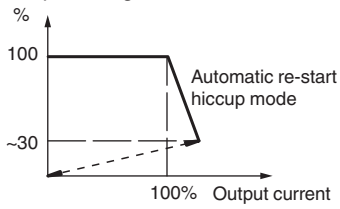
Derating

Output power



Current limitation characteristic

Output voltage



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