



**Model number**

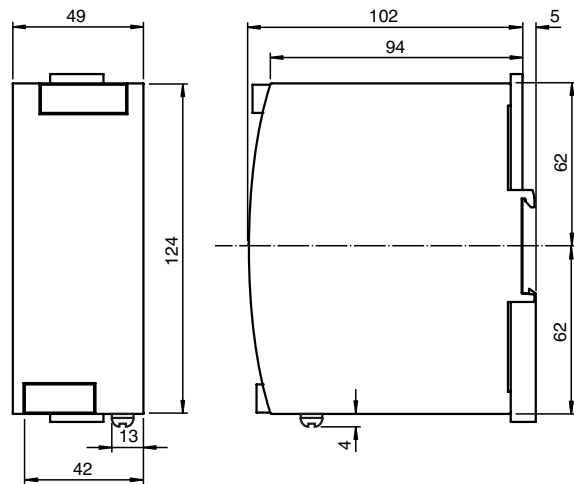
**VAN-115/230AC-K19**

AS-Interface power supply, data decoupling, 2,8 A

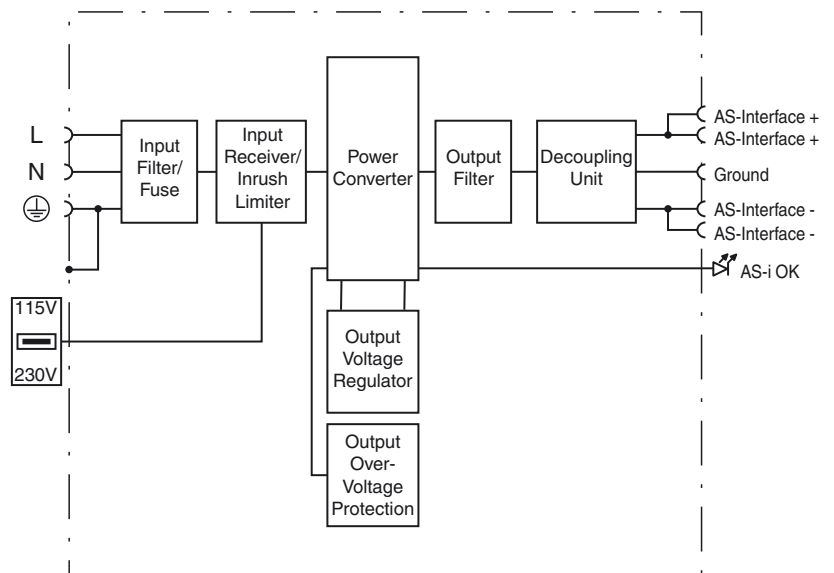
**Features**

- Up to 2.8 A output load
- Power factor correction
- Electronic overload protection and display
- LED operating display
- AS-Interface data decoupling
- PELV/SELV
- NEC Class 2 Power Supply

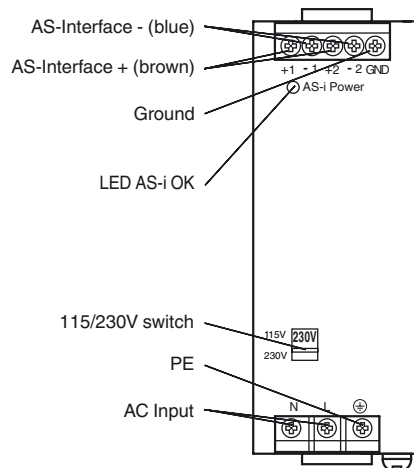
**Dimensions**



**Electrical connection**



**Indicating / Operating means**



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

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## Technical data

### General specifications

UL File Number E223176

### Indicators/operating means

LED AS-i ok  
 LED green:  
 ON: AS-Interface voltage OK  
 OFF: overload or no supply voltage

### Electrical specifications

Fusing 2.5 AT (not replaceable)  
 Capacity factor > 0.5  
 Rated operating voltage  $U_e$  nominal: 100 ... 120 V<sub>AC</sub>/220 ... 240 V<sub>AC</sub>  
 permissible: 85 ... 132 V<sub>AC</sub>/184 ... 264 V<sub>AC</sub>  
 Rated operating current  $I_e$  2.0 A at 115 V<sub>AC</sub>  
 0.9 A at 230 V<sub>AC</sub>  
 Supply frequency 47 ... 63 Hz  
 Efficiency 90.5 % (230 V<sub>AC</sub>, 2.8 A)

### Output

Current limit > 3.2 A  
 Current 2.8 A  
 Voltage 30.55 V<sub>DC</sub> ± 3 % fixed  
 Residual ripple ≤ 50 mV<sub>SS</sub> (500 kHz bandwidth, 50-Ω-measurement with ohmic load)  
 Short-circuit current min. 3.2 A, max. 4.6 A

### Ambient conditions

Ambient temperature -10 ... 70 °C (14 ... 158 °F)  
 Storage temperature -25 ... 85 °C (-13 ... 185 °F)  
 Shock and impact resistance 15g/6 ms  
 10g/11 ms  
 Vibration resistance 2 ... 17.8 Hz / 1.6 mm  
 17.8 ... 500 Hz / 2.0 g  
 Pollution Degree 2 (EN 60950)

### Mechanical specifications

Degree of protection IP20  
 Protection class I, Protective conductor connection necessary  
 Connection Connection terminals, max. conductor cross-section  
 0.5 ... 6 mm<sup>2</sup> (20-10 AWG), Stripping length 7 mm  
 Mass approx. 500 g  
 Mounting DIN mounting rail

### Compliance with standards and directives

Directive conformity  
 Low Voltage Directive 2006/95/EC EN 60950-1:2006, EN 61204-3:2001  
 EMC Directive 2004/108/EC EN 61000-6-2:2005, EN 61000-6-3:2007, EN 50295:1999  
 Standard conformity  
 Electromagnetic compatibility EN 61000-6-2:2005; EN 61000-6-3:2007  
 AS-Interface EN 50295:1999, IEC 62026-2:2006  
 Mech. capacity EN 60068-2-6:2008  
 Shock and impact resistance EN 60068-2-27:1995

## Notes

The "GND" connection must be connected to the potential of the machine in any case.

## Function

The primary pulsed power supply was developed for fieldbus applications that transfer power and data via one two-wire line (AS-Interface concept). With an output current of 2.8 A, it supplies a fully configured AS-Interface system.

In this case, the power supply is responsible for supplying power, decoupling the data to the supply source and providing for symmetry of the two output lines (AS-Interface + and AS-Interface -) relative to the machine mass (shield connection). The exact and transformer coupling permits the use of unshielded load lines.

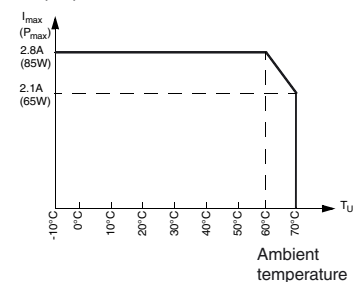
The input voltage range of the device can be selected with a switch. Thus, the power supply can be operated on all conventional single-phase mains voltages worldwide.

### Fusing:

The power supply is protected electronically against external short circuits. The internal fuse disconnects the power supply from the network in the case of a defect.

### Derating

Output power



### Current limitation characteristic

Output voltage

