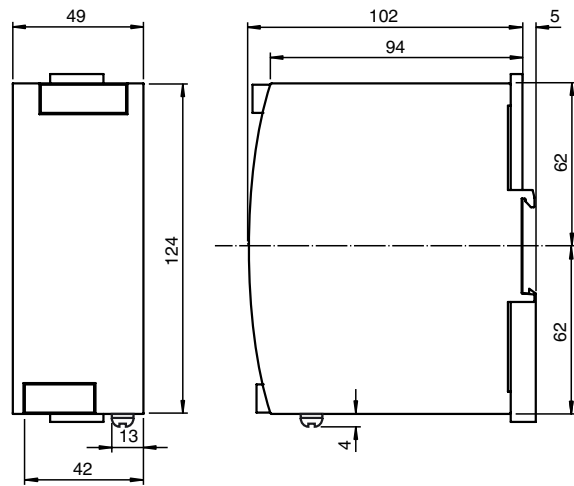
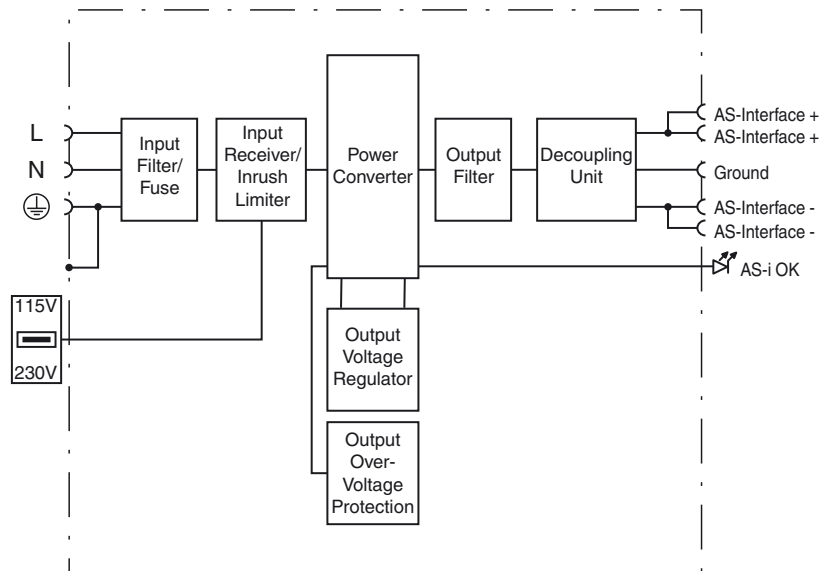




Dimensions



Electrical connection



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

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).

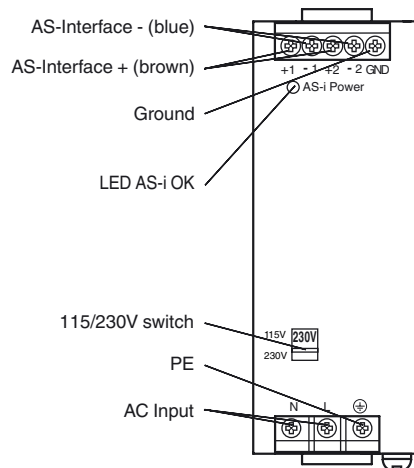
The exact and transformer coupling permits the use of unshielded load lines.

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.

Indicating / Operating means



Release date: 2019-08-21 14:28 Date of issue: 2019-08-28 225875_eng.xml

Technical data**General specifications**

| | |
|----------------|---------|
| UL File Number | E223176 |
| MTBF | 221 a |

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 _{AC} /220 ... 240 V _{AC} permissible: 85 ... 132 V _{AC} /184 ... 264 V _{AC} |
| Rated operating current | I_e 2.0 A at 115 V _{AC} 0.9 A at 230 V _{AC} |
| Supply frequency | 47 ... 63 Hz |
| Efficiency | 90.5 % (230 V _{AC} , 2.8 A) |

Output

| | |
|-----------------------|---|
| Current limit | > 3.2 A |
| Voltage | 30.55 V _{DC} ± 3 % fixed |
| Current | 2.8 A |
| Residual ripple | ≤ 50 mV _{SS} (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 ² (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.