



**Model Number**

**VAN-115/230AC-K7-DN**

AS-Interface dual power supply

**Features**

- PELV
- 115 V AC / 230 V AC switchable
- Two galvanically isolated outputs, each 30.55 V / 4 A
- AS-Interface filter integrated
- LED operating display
- 89 % efficiency level

**Function**

The primary switched-mode power supply unit was designed for field bus applications, which transmit both energy and data via a two-wire cable (AS-Interface design). It provides an output current of 2 x 4 A for two fully developed AS-Interface systems.

By means of two identical galvanically isolated outputs, the power supply unit provides the energy, decouples data of the power source and balances the two output cables (AS-Interface + and AS-Interface -) in relation to ground (screen connection). The precise and transformer coupling permits the use of unshielded load lines.

The PELV output circuit is electronically protected against overload and continuous short circuit. Its structure is equivalent to safety isolating transformers per VDE 0551.

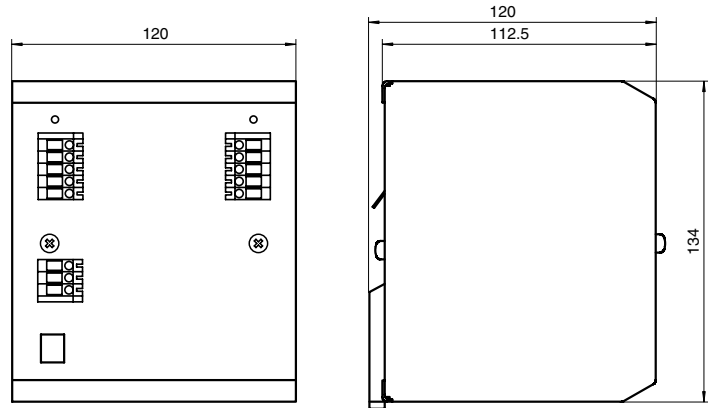
**Fuse:**

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

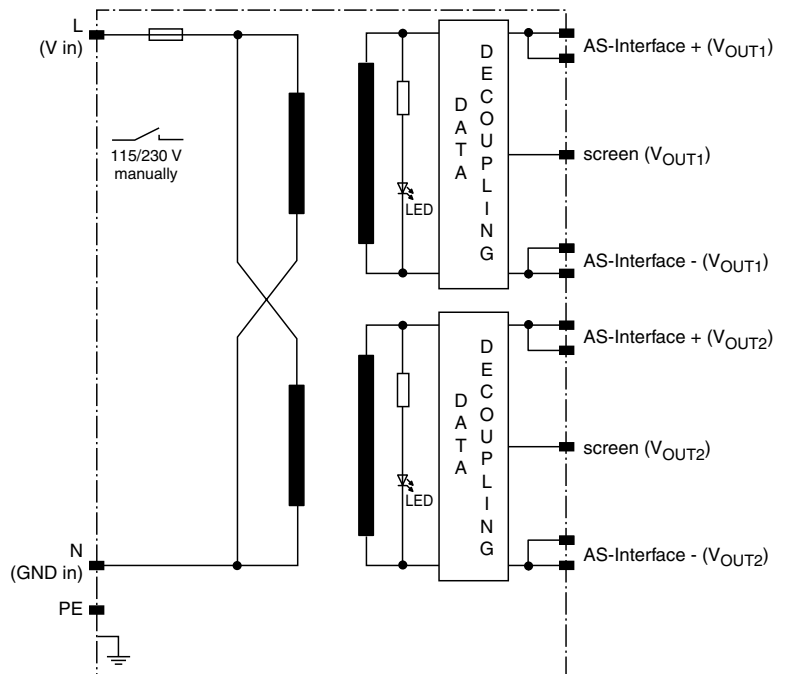
**Note:**

Do not remove any screws from the housing without consulting us, since internal protective earthing connections might disconnect.

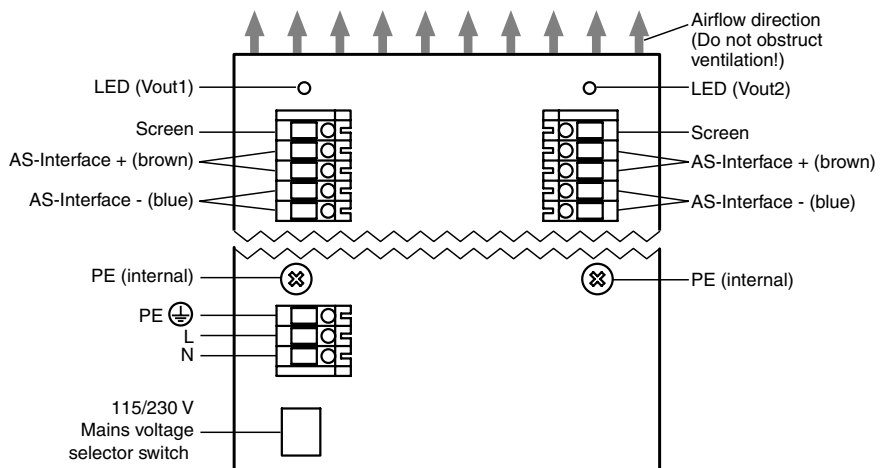
**Dimensions**



**Electrical connection**



**Indicating / Operating means**



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**Technical data****General specifications**

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**Indicators/operating means**

Mains power selection switch	changeover switch for 115 V AC/230 V AC
LED green	Operating display

**Electrical specifications**

Mains frequency	47 ... 63 Hz
Efficiency	approx. 89 %
Rated operational voltage	$U_e$ nominal: 115 V AC/230 V AC switchable; permissible: 88 ... 132 V AC/187 ... 264 V AC
Rated operational current	$I_e$ 6 A at 115 V AC 2.8 A at 230 V AC

**Output**

Current	2x4 A
Voltage	29.5 ... 31.6 V DC
Switch-on delay	$t_{on}$ 1 ms

**Ambient conditions**

Ambient temperature	-10 ... 60 °C (263 ... 333 K)
Storage temperature	-20 ... 100 °C (253 ... 373 K)

**Mechanical specifications**

Protection degree	IP20
Connection	min. 0.5 mm <sup>2</sup> , max. 4 mm <sup>2</sup> (rigid wire) min. 0.5 mm <sup>2</sup> , max. 2.5 mm <sup>2</sup> (strand) wire min. 9 mm, max. 15 mm separation

Material

Housing aluminium

Mass 1150 g