



Model number

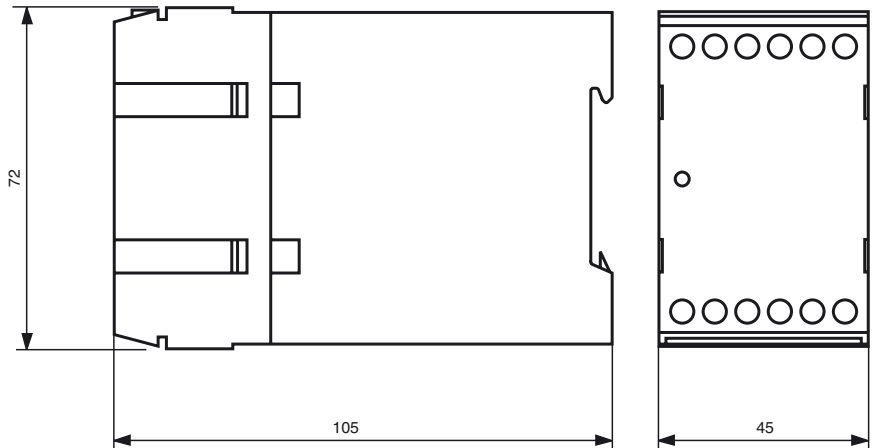
VAN-115/230AC-K26

AS-Interface power supply

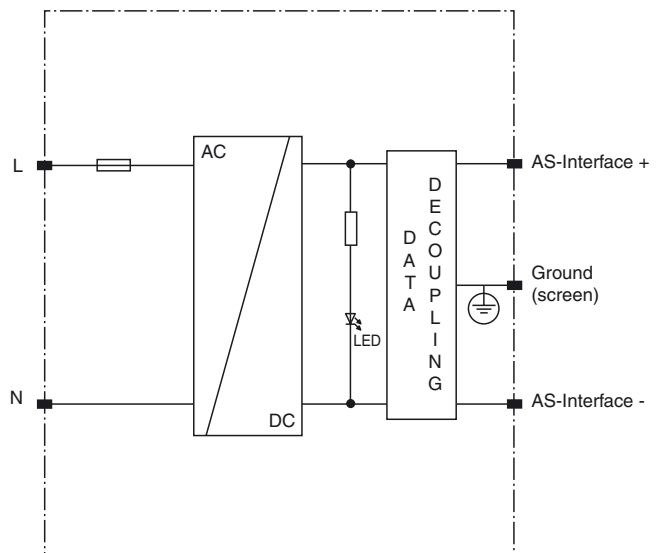
Features

- 1.8 A output load
- 230/115 V AC supply voltage
- SELV-Output
- LED operating display
- Compact design
- Continuous short-circuit and continuous open-circuit proof
- 88 % efficiency level

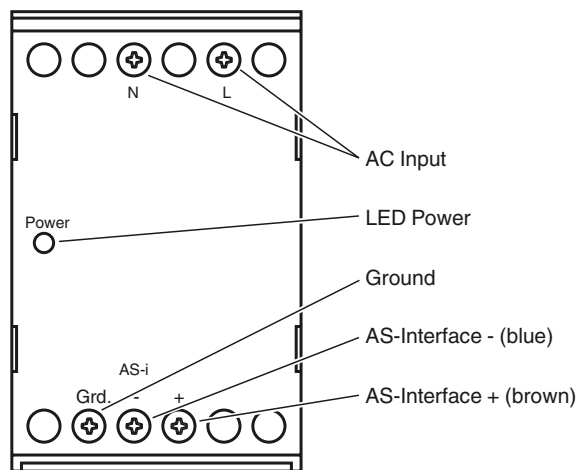
Dimensions



Electrical connection



Indicating / Operating means



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Subject to modifications without notice

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Technical data**Functional safety related parameters**

MTTF _d	40 a
Mission Time (T _M)	10 a
Diagnostic Coverage (DC)	0 %

Indicators/operating means

LED POWER	LED green
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Electrical specifications

Fusing	2.5 AT
Capacity factor	0.4 capacitive at 230 V _{AC} 0.55 capacitive at 115 V _{AC}
Rated operational voltage	U _e 94 ... 265 V _{AC}
Rated operational current	I _e 1 A (115 V _{AC}) 0.65 A (230 V _{AC})
Supply frequency	47 ... 63 Hz
Efficiency	88 %
Nominal voltage	U _o 100 ... 240 V _{AC}
Peak inrush current	I _{pt} < 1.5 A ² s

Output

Current limit	2.3 A
Current	0 ... 1.8 A
Voltage	31.2 V ± 3 %
Residual ripple	max. 50 mV (0 ... 10 kHz) max. 10 mV (10 ... 500 kHz)
Holdup time	> 65 ms/230 V _{AC} > 10 ms/115 V _{AC}

Ambient conditions

Ambient temperature	-10 ... 40 °C (14 ... 104 °F) with free convection
Storage temperature	-25 ... 85 °C (-13 ... 185 °F)

Mechanical specifications

Protection degree	IP20
Protection class	II
Connection	Connection terminals, max. conductor cross-section 0.5 ... 2.5 mm ² stripped length 10 mm
Mass	260 g
Mounting	Snap onto 35 mm standard rail compliant with DIN EN 60715:2001

Compliance with standards and directives**Directive conformity**

Low Voltage Directive 2006/95/EC	EN 60950-1:2006
EMC Directive 2004/108/EC	EN 55011:2009, EN 61000-6-2:2001, EN 61000-6-3:2001, EN 61000-3-2:2006,

Standard conformity

Electromagnetic compatibility	EN 55011:2009, EN 61000-6-2:2001, EN 61000-6-3:2001, EN 61000-3-2:2006,
Protection degree	EN 60529:2000
Electrical safety	acc. to VDE 0805:2006/EN 60950-1:2006/IEC 950:2006

Function

The primary switched mode power supply was designed for fieldbus applications that transfer energy and data together via a two-wire cable (AS-Interface concept). It supplies a fully extended AS-Interface system with a maximum output current of 1.8 A. Due to the sinusoidal current consumption from the network, harmonics are avoided. The power factor is $\cos \varphi > 0.40$.

The power supply assumes the function of supplying power, data decoupling for the power source and balancing of both the output cables (AS-Interface + and AS-Interface -) with respect to the machine mass (shielded connection). The exact and transformational coupling allows the use of unshielded load cables.

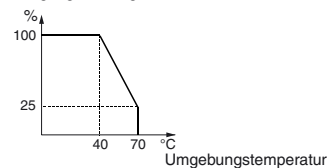
The particularly narrow power supply provides optimum utilization of space in the control cabinet and features a convenient mounting rail attachment. An LED indicates operation (power).

Fusing:

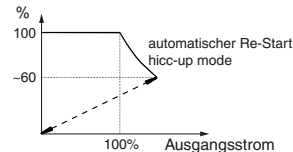
The power supply is continuous short-circuit and continuous open-circuit proof. The integrated fine wire fuse separates the power supply from the network in the event of a fault.

Derating

Ausgangsleistung

**Strombegrenzungskennlinie**

Ausgangsspannung

**Accessories**

Power Supply Calculator and Network Checking Utility
AS-Interface software