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Find the *Pepperl+Fuchs VAM-CTR-KF-R2* at our website: ***Click HERE***



Model Number

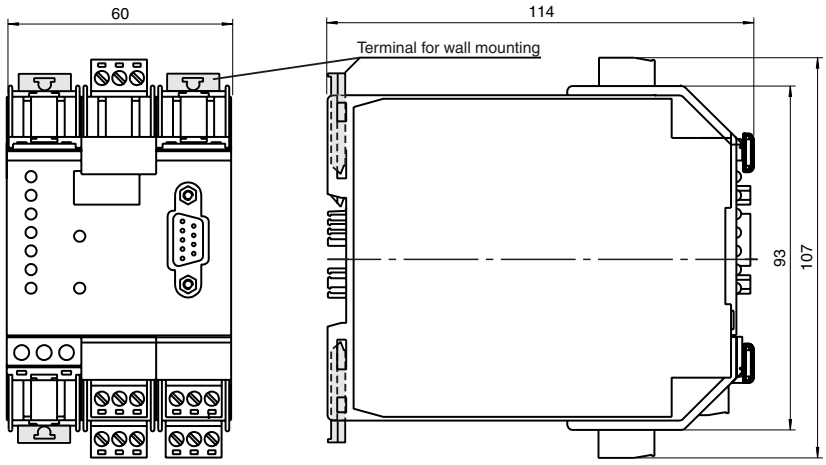
VAM-CTR-KF-R2

AS-Interface master RS 232 cabinet module

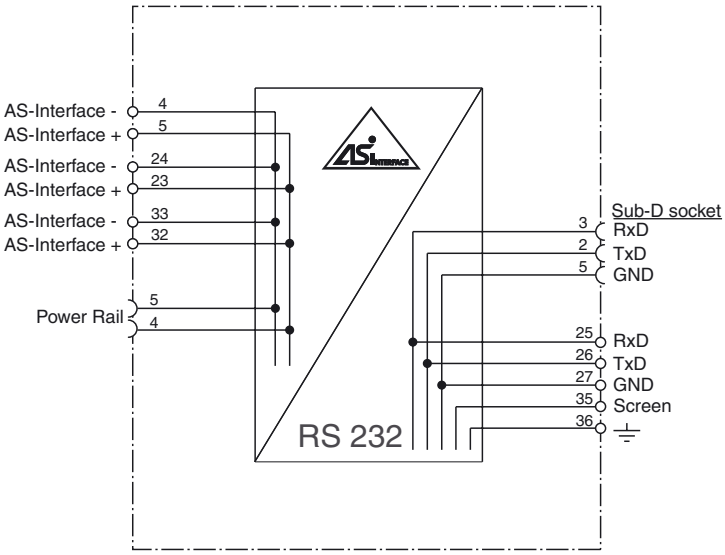
Features

- Stand-alone master with PLC functionality
- Two-digit LC display
- Voltage supply from AS-Interface
- Automatic baud rate detection
- Programmable slave addresses
- Display of detected slaves
- Fault diagnosis
- Parameterisation and monitor software
- Power Rail connection
- RS 232 interface

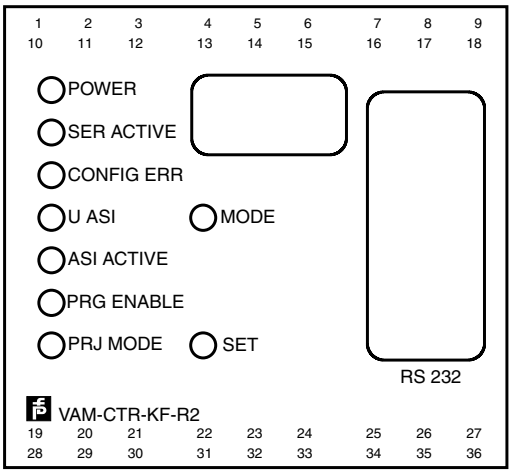
Dimensions



Electrical connection



Indicating / Operating means



Release date: 2007-07-30 09:46 Date of issue: 2007-07-30 037830_ENG.xml

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Technical data

General specifications		
AS-Interface specification		V2.0
Diagnostics function		integrated
Indicators/operating means		
Display		LC display, 2 digits, for addressing and error messages
LED AS-i ACTIVE		AS-Interface operation normal; LED green
LED CONFIG ERR		configuration error; LED red
LED PRG ENABLE		autom. programming; LED green
LED ENERGY		voltage ON; LED green
LED PRG MODE		projecting mode active; LED yellow
LED SER ACTIVE		interface in operation; LED green
LED U AS-i		AS-Interface voltage; LED green
Switch SET		Selection and setting of a slave address
Button MODE		Mode selection/save configuration
Electrical specifications		
Insulation voltage	U_i	≥ 500 V
Rated operational voltage	U_e	from AS-Interface
Rated operational current	I_e	≤ 150 mA
Interface		
Interface type		RS 232
Transfer rate		1200 , 2400 , 4800 , 9600 , 19200 , 38400 or 57600 Bit/s , Automatic baud rate detection
Connection		
AS-Interface		removable coded terminals, Power Rail
Ambient conditions		
Ambient temperature		0 ... 55 °C (273 ... 328 K)
Storage temperature		-25 ... 70 °C (248 ... 343 K)
Mechanical specifications		
Protection degree		IP20
Mass		420 g
Construction type		Low profile housing , plastic
Compliance with standards and directives		
Standard conformity		
Protection degree		EN 60529

Function

The VAM-CTR-KF-R* is a stand-alone master with integrated PLC functionality. The design of this master is ideal for use in a cabinet. Its housing, only 60 mm wide, occupies little space in a cabinet installation. The VAM-CTR-KF-R* is installed by snapping it onto the 35 mm DIN Rail per EN 50022, with the integrated Power Rail. The AS-Interface signal is transmitted through conductors, which are integrated into the Power Rail. Thus all cabinet modules in KF housing can be connected to the AS-Interface cable by simply snapping them onto the DIN Rail. Removable terminals for leading the AS-Interface cable through the cabinet are available. These terminals are coded and allow "online" maintenance, i. e. while the system is under power. The connection to the AS-Interface power supply is established through these terminals which can also be used for the serial interface. A 9-pin SubD connector is also available. Power to the master is supplied by the AS-Interface cable.
Two push buttons are used for address assignment of the AS-Interface slaves and acceptance of the desired configuration. In configuration mode, all detected AS-Interface slaves are displayed on the 2-digit LCD. In normal operation, the LCD is blank unless the master detects a faulty AS-Interface slave. There are 7 LEDs on the front panel, showing the current status of the AS-Interface line.

PLC Functionality

The VAM-CTR-KF-R* provides 16 kBytes of program memory, 8 kBytes of main memory, 1024 counters and 1024 timers for PLC functionality. These capacities suffice to process data on the AS-Interface. Thus the master can also be operated in "stand-alone" mode. The program processing time is approximately 1000 word commands every 2 ms. The programming language is based upon the STEP5® programming language.

Software

The AS-i Control Tools software is supplied as restricted version together with the documentation. The software performs addressing, programming and monitoring of the AS-Interface network. In addition, it contains an editor that creates programs for the integrated PLC functionality. The full version of the AS-i Control Tool is available as an accessory and features an expanded diagnostics monitor as well as a larger program memory for AS-Interface Control which makes it possible to detect faulty telegrams of slaves.

Accessories

VAZ-SW-ACT32
AS-Interface software

UPR-05
Universal Power Rail

UPR-E
End cap

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