



Model Number

VAG-MOD+-K5-R4

MODBUS Plus gateway

Features

- AS-Interface certificate
- Two-digit LC display
- Voltage supply from AS-Interface
- Programmable slave addresses
- Display of detected slaves
- Fault diagnosis

Function

The VAG-MOD+-K5-R4 is a coupler between the AS-Interface and a MODBUS PLUS network. The VAG-MOD+-K5-R4 is an absolute AS-Interface master with full master functionality on the AS-Interface side. The gateway provides a 128 bit I/O module for MODBUS PLUS.

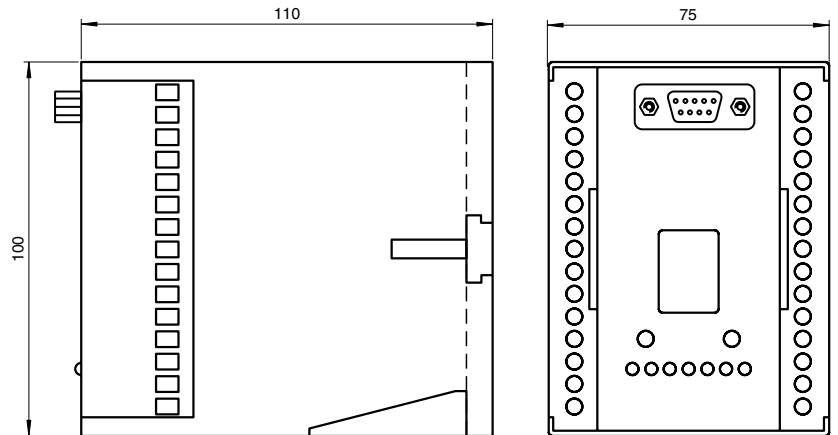
The mode/set push buttons on the face of the gateway are used for address assignment of the AS-Interface slaves and for storing the desired network configuration. The LCD indicates all detected slave addresses during configuration in the projected mode. Configuration of the AS-Interface network can also be accomplished through MODBUS PLUS. In normal operation, in the so-called protected operating mode, the LCD is blank unless the master detects a faulty AS-Interface slave. The buttons can be used for simple and quick fault location.

Accessories

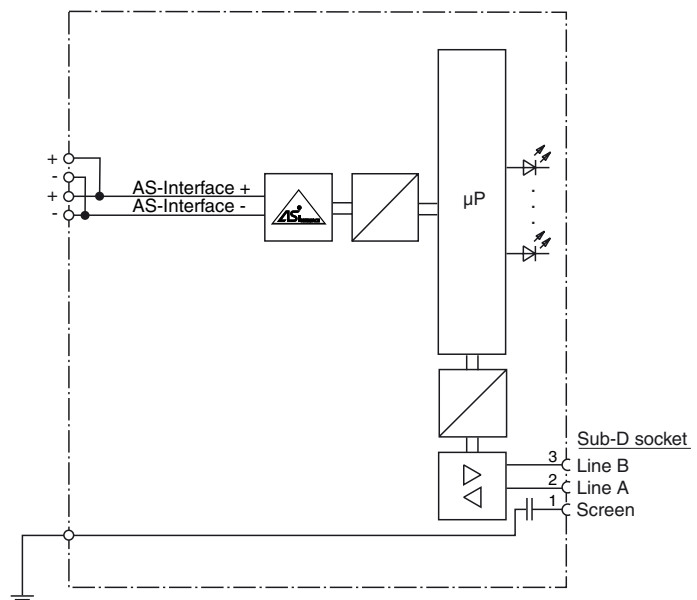
VAZ-R4-R2

Interface converter RS 232C/RS 485

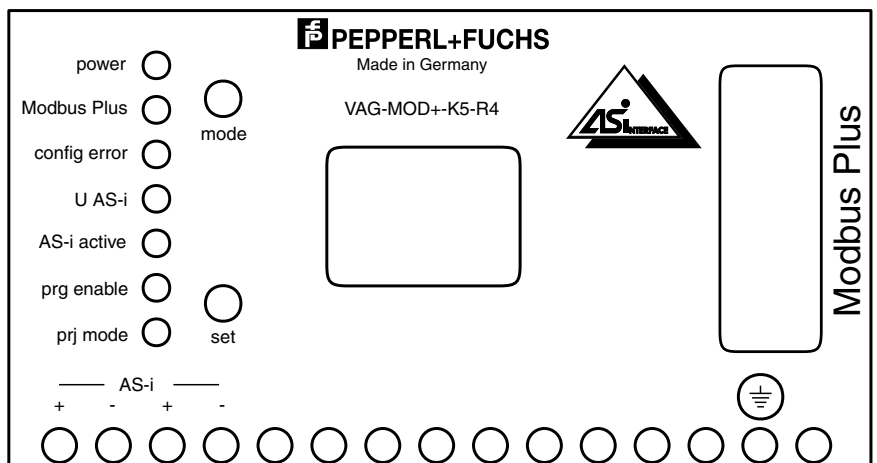
Dimensions



Electrical connection



Indicating / Operating means



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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 PRJ MODE	projecting mode active; LED yellow
LED U AS-i	AS-Interface voltage; LED green
LED MODBUS PLUS	Network indicator (diagnostics LED); 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	≤ 180 mA from AS-Interface

Interface

Protocol	MODBUS Plus
Interface type	RS 485
Transfer rate	1 MBit/s

Connection

AS-Interface	screw terminals
MODBUS Plus	RS 485 according to MODBUS Plus specification

Ambient conditions

Ambient temperature	0 ... 55 °C (273 ... 328 K)
Storage temperature	-25 ... 85 °C (248 ... 358 K)

Mechanical specifications

Protection degree	IP40 (housing), IP20 (terminals)
Mass	420 g
Construction type	Low profile housing , plastic

Compliance with standards and directives

Standard conformity	
Protection degree	DIN 40050