



Model Number

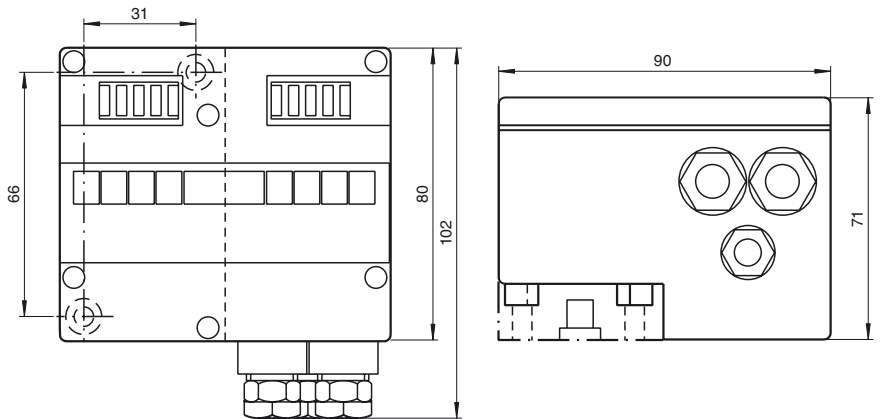
VAG-IBS-G4F-FB

INTERBUS gateway IP65

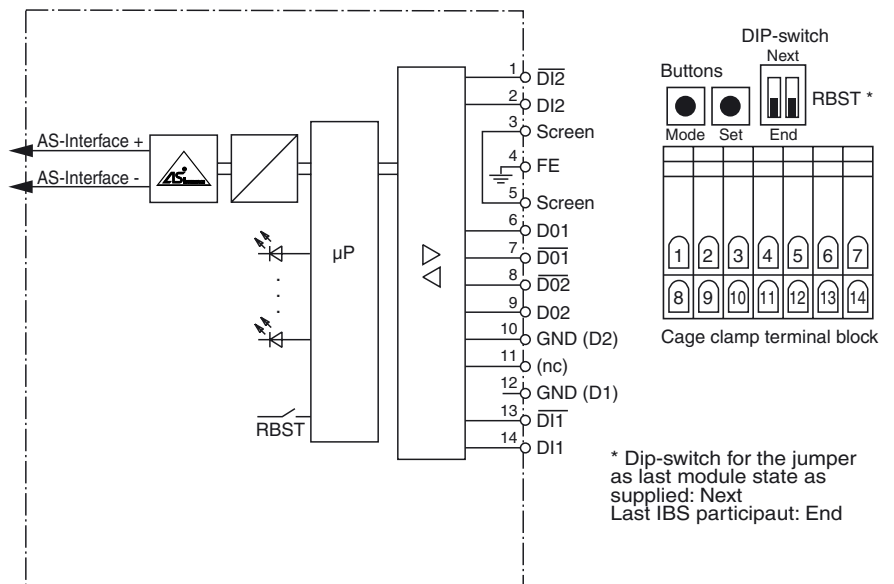
Features

- AS-Interface certificate
- Connection to the remote bus of the INTERBUS
- Voltage supply from AS-Interface
- Programmable slave addresses
- Display of detected slaves
- Fault diagnosis
- Protection degree IP65
- Integration into the INTERBUS "CMD Tools" software
- AS-Interface connection via flat cable and EMS standard bottom section (included delivery)

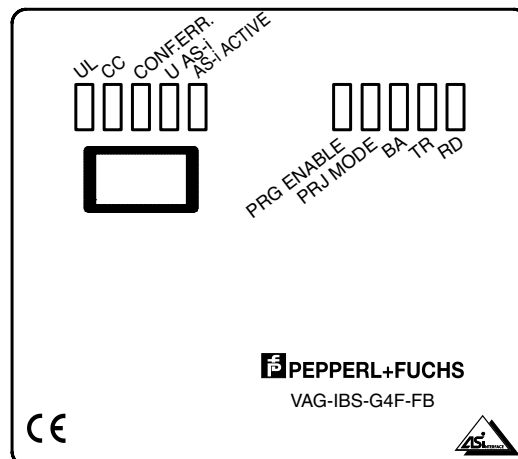
Dimensions



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	LED display, 2 digits, for addressing and error messages
LED TR	PCP activity; LED green
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 PRG MODE	projecting mode active; LED yellow
LED U AS-i	AS-Interface voltage; LED green
LED UL	operating voltage on INTERBUS side; LED green
LED CC	cable check; LED green
LED BA	INTERBUS active; LED green
LED RD	Remote bus not available; LED red
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	200 mA

Interface

Protocol	INTERBUS remote bus
Interface type	RS 485

Connection

AS-Interface	cable piercing technique
INTERBUS	Cable gland M16 x 1.5 and cage spring terminals

Ambient conditions

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

Mechanical specifications

Protection degree	IP65
Mass	355 g
Construction type	Plastic housing with cable gland

Compliance with standards and directives

Standard conformity	
Protection degree	EN 60529

Function

The INTERBUS is a bus system based on a ring topology which can be enhanced by the AS-Interface/INTERBUS gateway. In contrast to INTERBUS, AS-Interface is topology independent and offers a very fast cycle time ≤ 5 ms.

The VAG-IBS-G4F-FB is a coupler between INTERBUS and AS-Interface. An advantage of this master is that it can be mounted directly in the field. Both systems are galvanically isolated from each other. The VAG-IBS-G4F-FB is an absolute INTERBUS slave that uses 16 words and makes input and output data available for communications. A bus terminal, like those connecting to a peripheral bus are not required.

The VAG-IBS-G4F-FB offers full AS-Interface master functions and parameters can be transmitted across the one-word PCP channel to the AS-Interface slave.

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 seven LEDs on the front panel used for diagnostics, while four LEDs indicate the communications in the INTERBUS.

The gateway/AS-Interface is completely integrated with the INTERBUS software (CMD-Tools).

Software

No additional software is necessary for installation and monitoring since AS-i Control Tools is completely integrated in the installation software of the INTERBUS (CMD Software).

Accessories**U-G1P**

AS-Interface module mounting base

VAZ-G4-B

Blind plug

U-G1F

base is included with delivery