



**Model Number**

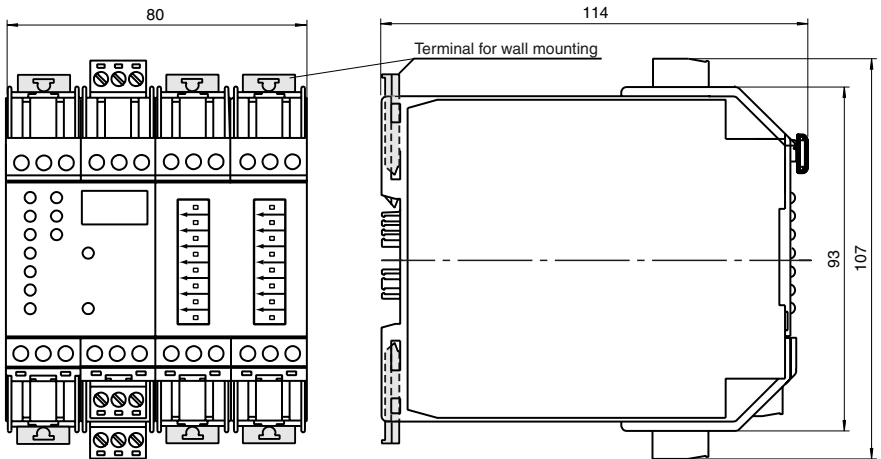
**VAG-IBS-KF-FB**

INTERBUS gateway cabinet module

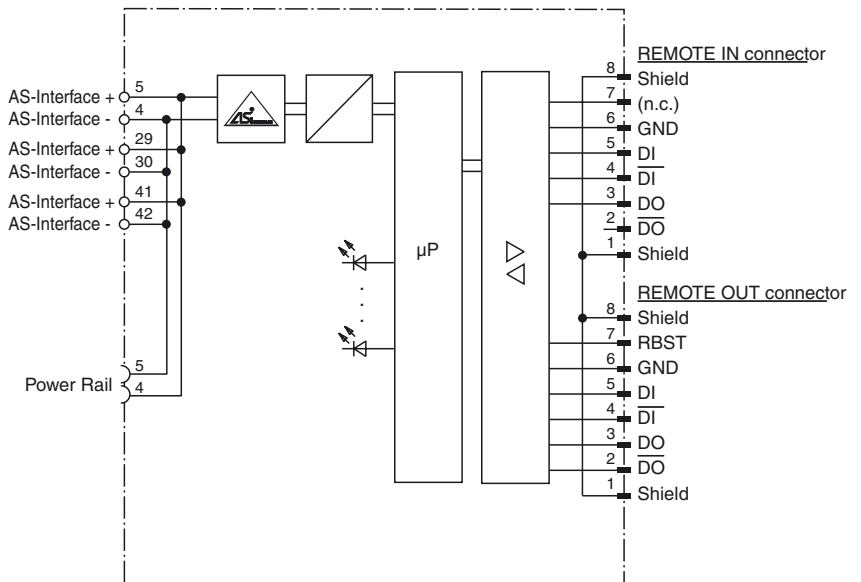
**Features**

- Connection to the remote bus of the INTERBUS
- Voltage supply from AS-Interface
- Programmable slave addresses
- Display of detected slaves
- Fault diagnosis
- Coded, removable terminals
- Integration into the INTERBUS "CMD Tools" software
- Power Rail connection

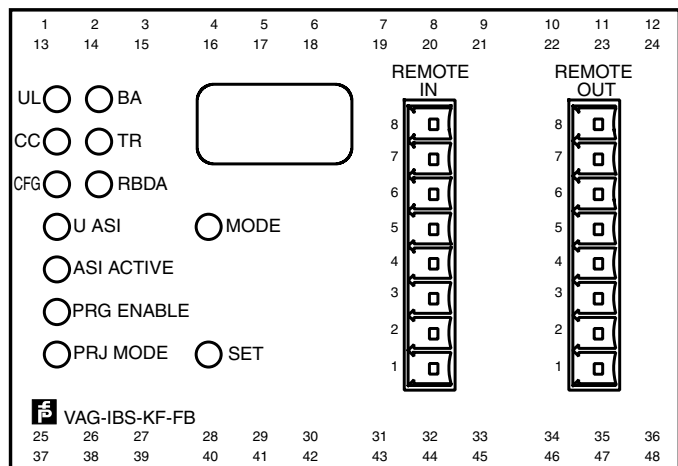
**Dimensions**



**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 TR	PCP activity; LED green
LED AS-i ACTIVE	AS-Interface operation normal; LED green
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 CFG	configuration error; LED red
LED BA	INTERBUS active; LED green
LED RBDA	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	$U_i$	$\geq 500$ 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	removable coded terminals, Power Rail
INTERBUS	two 8-pin MiniCombiCon connector

**Ambient conditions**

Ambient temperature	0 ... 55 °C (273 ... 328 K)
Storage temperature	-15 ... 70 °C (258 ... 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 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-KF-FB is a coupler between INTERBUS and AS-Interface. Both systems are galvanically isolated from each other. The VAG-IBS-KF-FB is a complete 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-KF-FB offers full AS-Interface master functionality. Parameters can be transmitted across 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 communications on the INTERBUS.

The KF cabinet housing has the same advantages as the serial master of this design.

The gateway/AS-Interface is completely integrated with the INTERBUS software (CMD-Tools). Additional software is not required, since the AS-Interface software ACT is integrated and can be activated via the INTERBUS.

**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****UPR-E**

End cap

**UPR-05**

Universal Power Rail