CE

Model number

VAG-CCL-G4F

CC Link Gateway IP65

Features

- AS-Interface connection via flat cable and EMS standard bottom section (included delivery)
- Degree of protection IP65
- Voltage supply from AS-Interface
- PLC functionality
- Error diagnostics via LEDs and LC display
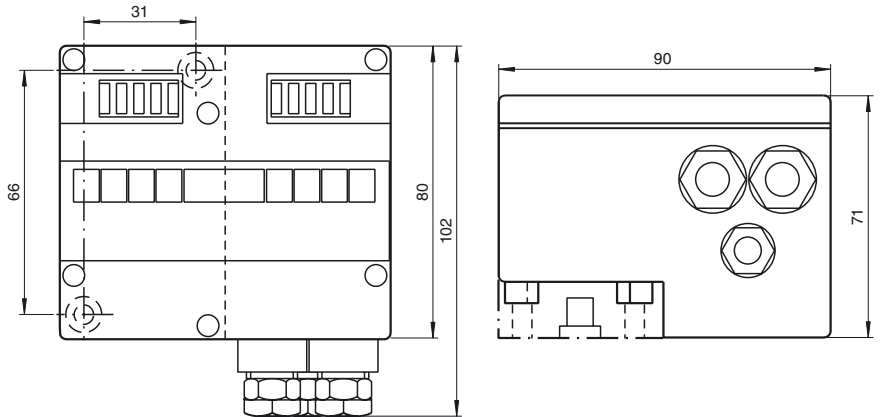
Function

The VAG-CCL-G4F is a complete CC-Link master for use in the field. The gateway's G4 field housing has the same advantages as the serial master in this design.

Two 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. The LEDs, located on the front panel, show the current status of the AS-i line.
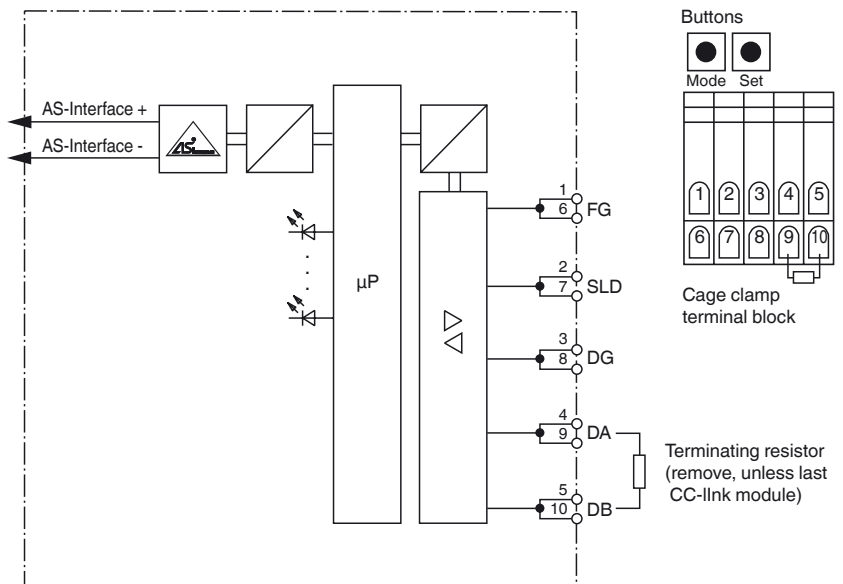
PLC Functionality

The VAG-CCL-G4F provides 16 kBytes of program memory, 8 kBytes of main memory, 1024 counters and 1024 timers for PLC functionality. These capacities suffice to process the data on the AS-Interface. Thus the master can also be operated in "stand-alone" mode. The program processing time is 2 ms per 1000 word commands. The programming language is based on the STEP5® programming language. The AS-Interface CTRL functions (upload, download, start, stop, read or write internal memory) are available in expanded mode.
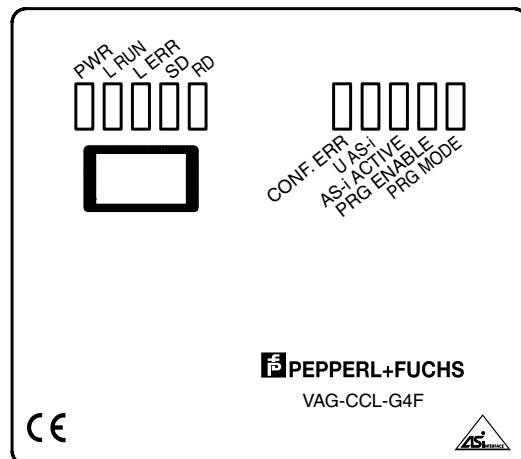
Dimensions

Electrical connection

Buttons — Mode / Set

Cage clamp terminal block

Terminating resistor (remove, unless last CC-link module)

Terminal	Signal
1 / 6	FG
2 / 7	SLD
3 / 8	DG
4 / 9	DA
5 / 10	DB

Indicating / Operating means

PWR L RUN L ERR SD RD

CONF. ERR U AS-i AS-i ACTIVE PRG ENABLE PRG MODE

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VAG-CCL-G4F

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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Technical data

General specifications		
AS-Interface specification		V2.0
PLC-Functionality		integrated
Diagnostics function		integrated
Indicators/operating means		
Display		LED display, 2 digits, for addressing and error messages
LED SD		CC Link send data; LED green
LED RD		CC Link receive data; LED green
LED AS-i ACTIVE		AS-Interface operation normal; LED green
LED CONFIG ERR		configuration error; LED red
LED PWR		voltage ON; LED green
LED L RUN		CC link in operation; LED green
LED L ERR		CC Link 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
Switch SET		Selection and setting of a slave address
Button MODE		Mode selection/save configuration
Electrical specifications		
Insulation voltage	U_i	≥ 500 V
Rated operating voltage	U_e	from AS-Interface
Rated operating current	I_e	≤ 200 mA from AS-Interface
Interface		
Interface type		remote device, 3 occupied stations
Protocol		according to CC-Link specification
Transfer rate		156 kBit/s up to 10 MBit/s
Connection		
AS-Interface		cable piercing technology
CC Link		Cable gland M16 x 1.5 and cage spring terminals
Ambient conditions		
Ambient temperature		0 ... 55 °C (32 ... 131 °F)
Storage temperature		-25 ... 85 °C (-13 ... 185 °F)
Mechanical specifications		
Degree of protection		IP65
Mass		355 g
Construction type		Plastic housing with cable gland
Compliance with standards and directives		
Standard conformity		
Degree of protection		EN 60529

Accessories

U-G1P
AS-Interface module mounting base for connection to round cable (AS-Interface)

VAZ-G4-B
Blind plug PG7

VAZ-G4-B1
Blind plug M12

Note

U-G1F
base is included with delivery

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