

CC-Link V2







Model number

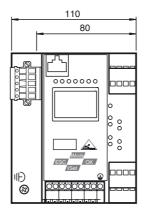
VBG-CCL-K30-D-S32-EV

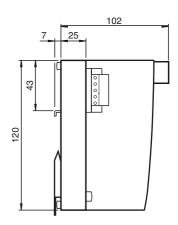
CC-Link gateway with integrated safety monitor, power supply input with decoupling coils

Features

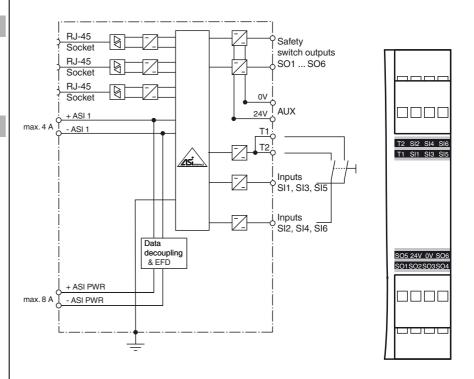
- Gateway and safety monitor in one housing
- SafeLink
- Certified up to SIL 3 according to IEC 61508 and EN 62061 and up to PL_e according to EN 13849
- · Six safe electronic outputs
- Integrated data decoupling
- Dublicate addressing detection
- · Earth fault detection
- · AS-Interface noise detection
- Ethernet diagnostic interface
- · Connection to CC-Link

Dimensions

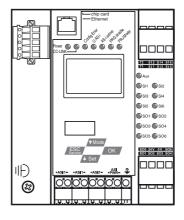




Electrical connection



Indicating / Operating means



Function

The VBG-CCL-K30-D-S32-EV is a CC-Link gateway with a safety monitor and a master according to AS-Interface specification 3.0.

The device is a gateway with full functionality combined with a safety monitor. The gateway connects an AS-Interface system to a higherlevel CC-Link network. It acts as a master for the AS-Interface segment and as a slave for the CC-Link network. During cyclic data exchange, the digital data of an AS-Interface segment is transferred. Analog values as well as the complete command set of the new AS-Interface specification are transferred via the CC-Link network using a command interface. The gateway has 6 inputs and outputs. The 6 inputs are used for enhanced device monitoring EDM or start inputs. The 6 outputs switch channel 1 and 2 as semiconductor outputs. The K30 design is particularly suitable for use in control cabinets.

Configuration of the device can be performed using switches. Seven LED located on the front panel indicate the current status of the AS-Interface segment. One LED shows the power supply via AUX. A further eight LEDs indicate the status of the inputs and outputs.

With the graphical display, the commissioning of the AS-Interface circuits and testing of the connected peripherals can take place completely separately from the commissioning of the higher-level network and the programming. With the 4 switches, all functions can be controlled and visualized on the display.

An RJ-45 Ethernet port provides a way of exporting data relating to the gateway, network and operation directly from the gateway for extended local diagnosis purposes.

Via the RJ-45 Ethernet diagnostic interface, up to 31 devices can establish a secure cross-communication.

The device has a card slot for a memory card for the storage of configuration data.

The integrated data decoupling allows to operate 2 AS-Interface circuits with just a standard power supply.

PLC Functionality

Optionally the gateway is also available with PLC functionality. Therefor you can order a code key VAZ-CTR additionally.

The device can be operated with a 24 V power supply according to PELV.

Accessories

VAZ-SW-SIMON+

Software for configuration of K30 Master Monitors/K31 and KE4 Safety Monitors

PEPPERL+FUCHS

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| | AS-Interface | EN 62026-2:2013 |
|--|----------------------------|--|
| | Noise immunity | EN 61000-6-2/AC:2005 |
| | Functional safety | EN ISO 13849-1:2008/AC:2009, EN ISO 13849-2:2012 (up to PL e), EN 61508:2010 and EN 62061:2005+A1:2013 (up to SIL3) |
| | Ambient conditions | |
| | Ambient temperature | 0 55 °C (32 131 °F) |
| | Storage temperature | -25 85 °C (-13 185 °F) |
| | Mechanical specifications | |
| | Degree of protection | IP20 |
| | Material | |
| | Housing | Stainless steel |
| | Mass | 800 g |
| | Construction type | Low profile housing |
| | Approvals and certificates | |
| | UL approval | An isolated source with a secondary open circuit voltage of \leq 30 V _{DC} with a 3 A maximum over current protection. Over current protection is not required when a Class 2 source is employed. UL mark does not provide UL certification for any functional |

Notes

In an AS-Interface network only one device can be operated earth fault detection. If there are many devices in an AS-Interface network, this can lead to the earth fault monitoring response threshold becoming less sensitive.

safety rating or aspects of the device.

Derating output current

