## CC-Link

## Fieldbus Coupler; 156 kBaud ... 10 MBaud; digital and analog signals



voltage supply

-Power jumper

**Data contacts** 

Supply via power jumper contacts 24 V

Power jumper

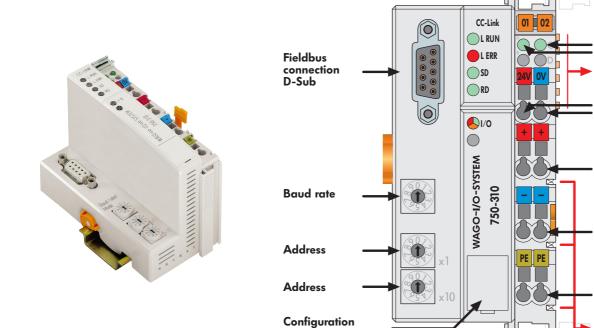
contacts

**Status** 

contacts -System

Supply 0 V

0 V



This buscoupler allows connection of the WAGO → I/O → SYSTEM as a slave to the CC-Link fieldbus.

interface

The buscoupler is capable of supporting all I/O modules. The buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Analog and specialty module data is sent via words and/or bytes, digital data is sent bit by bit.

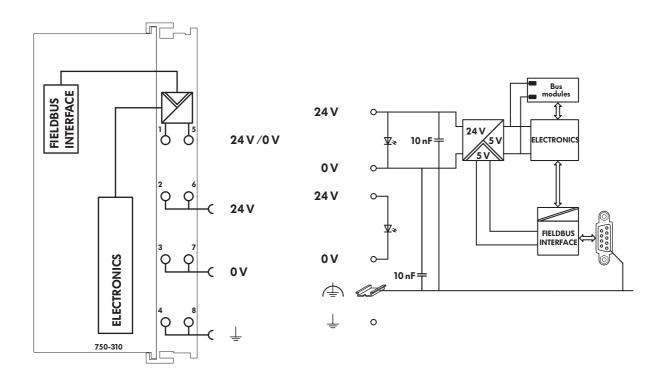
CC-Link allows the storing of the process image in the corresponding Master control (PLC, PC or NC).

The local process image is divided into two data zones containing the data received and the data to be sent. The process data can be sent via the CC-Link fieldbus to the PLC, PC or NC for further processing, and received from the field via CC-Link.

The data of the analog modules is stored in the process image which is created automatically according to the order in which the modules are connected to the buscoupler. The bits of the digital modules are sent byte by byte and added to the analog data. If the amount of digital information exceeds 8 bits, the buscoupler automatically starts with a new byte.

| Description | Item-No. | Packunit<br>pcs | System Data             |   |
|-------------|----------|-----------------|-------------------------|---|
| CC-Link     | 750-310  | 1               | Max. no. of nodes       | 64  |
|             |          |                 | Transmission medium     | shielded Cu cable 2/3 x 0.5 mm <sup>2</sup> |
|             |          |                 | Max. length of bus line | 100 m 1200 m                                |
|             |          |                 |                         | (depends on the baud rate/on the cable)     |
|             |          |                 | Baud rate               | 156 kBaud 10 MBaud                          |
|             |          |                 | Buscoupler connection   | 1 x D-Sub 9; socket                         |
|             |          |                 |                         |   |
|             |          |                 |                         |   |
|             |          |                 |                         |   |
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|             |          |                 |                         |   |
|             |          |                 |                         |   |





| Technical Data                         |                                       | General specifications   |  |          |
|--|---------------------------------------|--|--|----------|
| Max. no. of I/O modules                | 64                                    | Operating temperature  | 0°C +55°C                                      |          |
| Station addresses                      | up to 4                               | Wire connection CAGE CLAMP®  | 0.08 mm <sup>2</sup> 2.5 mm <sup>2</sup> ; AWG | 3 28 14  |
| Fieldbus                               |                                       |  | 8 9 mm / 0.33 in stripped                      | length   |
| input / output process image           | max. 14 bytes digital, 2 bytes system | Dimensions (mm) W x H x L  | 51 x 65* x 100                                 |          |
|  | max. 32 bytes analog                  |  | * from upper edge of DIN 35 rail               |          |
| Voltage supply                         | DC 24V (-15% +20%)                    | Weight   | ca 195 g                                       |          |
| Input current <sub>max.</sub>          | 500 mA at 24 V                        | Storage temperature  | -25 °C +85 °C                                  |          |
| Efficiency of the power supply         | 87 %                                  | Relative air humidity  | 95 % no condensation                           |          |
| Internal current consumption           | 300 mA at 5 V                         | Vibration and  | acc. to IEC 60068-2-6                          |          |
| Total current for I/O modules          | 1700 mA at 5 V                        | shock resistance   | acc. to IEC 60068-2-27                         |          |
| Isolation                              | 500 V system/supply                   | Degree of protection   | IP 20  |          |
| Voltage via power jumper contacts      | DC 24 V (-15 % +20 %)                 | EMC C€ -Immunity to interference   | acc. to EN 61000-6-2 (1999)                    |          |
| Current via power jumper contacts max. | DC 10 A                               | EMC C € - Emission of interference   | acc. to EN 61000-6-4 (1997)                    |          |
|  |                                       |  |  |          |
|  |                                       | Approvals  ((1) us  Conformity marking                                     | see pages 1.10 1.13<br>C€                      |          |
|  |                                       | c(VI) us   |  |          |
|  |                                       | c(VI) us   |  | Packunit |
|  |                                       | Conformity marking   | (€   |          |
|  |                                       | Conformity marking  Accessories  | (€<br>Item-No.<br>750-965                      | pcs      |
|  |                                       | Accessories Fieldbus connector for CC-Link Miniature WSB quick marking sys | (€<br>Item-No.<br>750-965                      | pcs      |
|  |                                       | Accessories Fieldbus connector for CC-Link Miniature WSB quick marking sys | Item-No. 750-965 tem 248-501                   | pcs 1    |