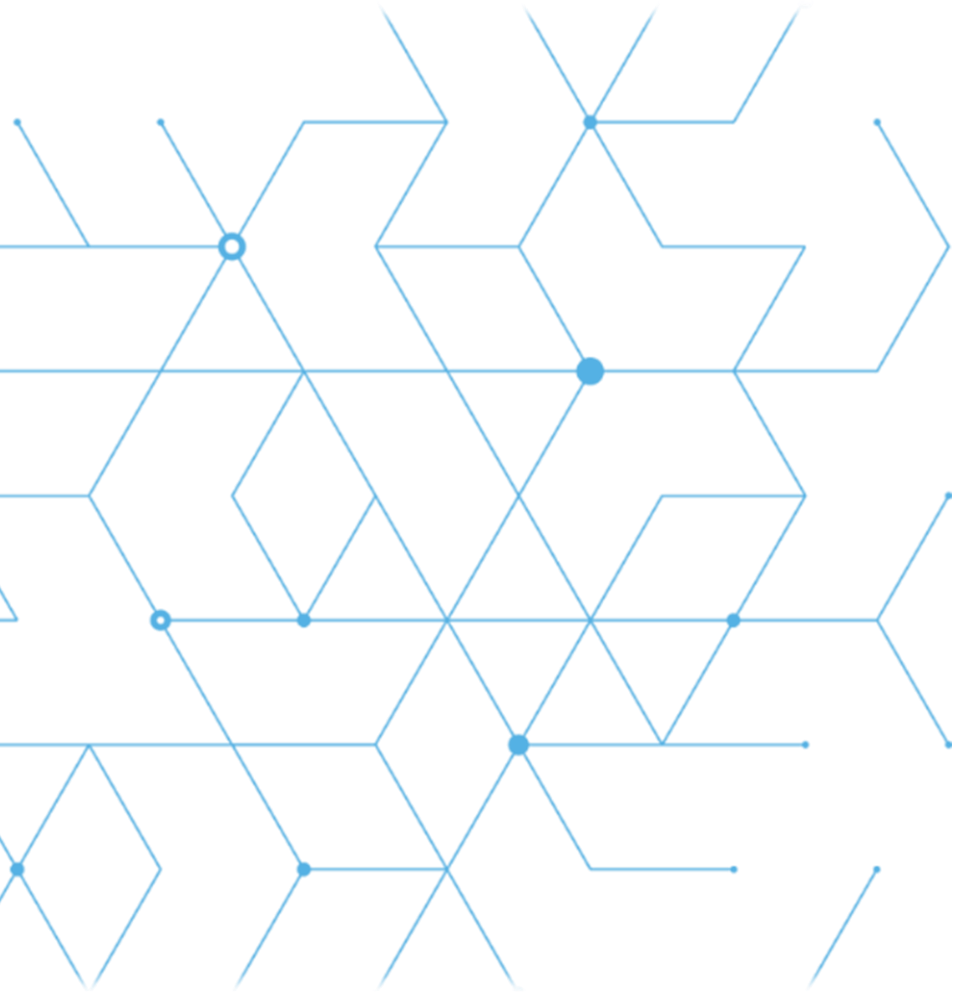


INXPECT®

EPLAN PARTS

Reference Guide

v1.5 - EN

REVISION	DATE	NOTES
v1.0	04/01/2022	Initial version
v1.1	21/01/2022	Add component
v1.2	25/01/2022	Small changes
v1.3	18/02/2022	ISC modifications
v1.4	27/04/2022	New names. New part
v1.5	31/03/2023	New products

Content

1. Objective

The goal of this document is to show the first version of the EPLAN macros for the Inxpect products.

Below you can find the macros of the following products:

1- Control unit

Type A:

- C201A-PNS
- C201A-F
- C202A
- C203A

Type B:

- C201B-P
- C201B-F
- C202B
- C203B

2- SRE 200 Series sensor

5 meters range:

- S201A
- S201A-W
- S203A-W

9 meters range:

- S201A-MLR
- S201A-WL
- S203A-WL

3- SRE 100 Series sensor

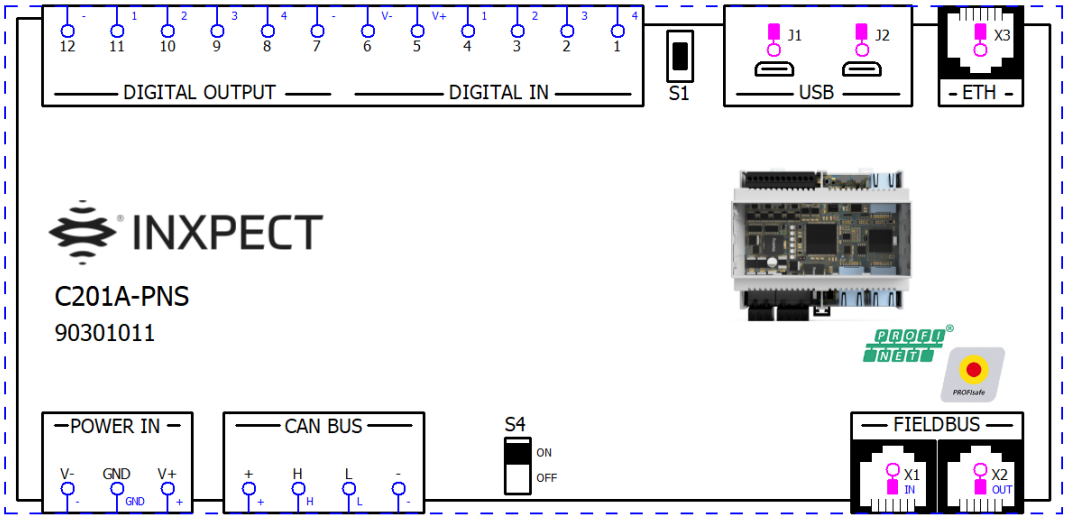
- S101A

4- Accessories

- Bus terminator

2. Design and description: control unit

2.1. C201A-PNS *(INX.90301011.edz)*

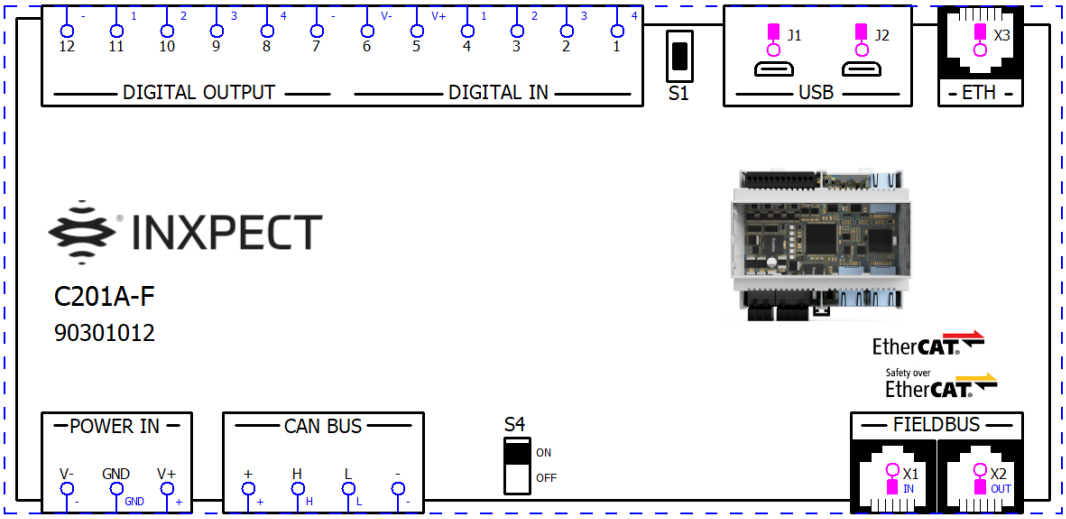


Description:

The C201A-PNS control unit can handle up to 6 Inxpect sensors; it has 1 Ethernet connection and 2 Fieldbus ports to implement the PROFINET/PROFIsafe communication. The Inxpect Safety application is used to configure the system via USB or via Ethernet. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd.

Images:

2.2. C201A-F *(INX.90301012.edz)*

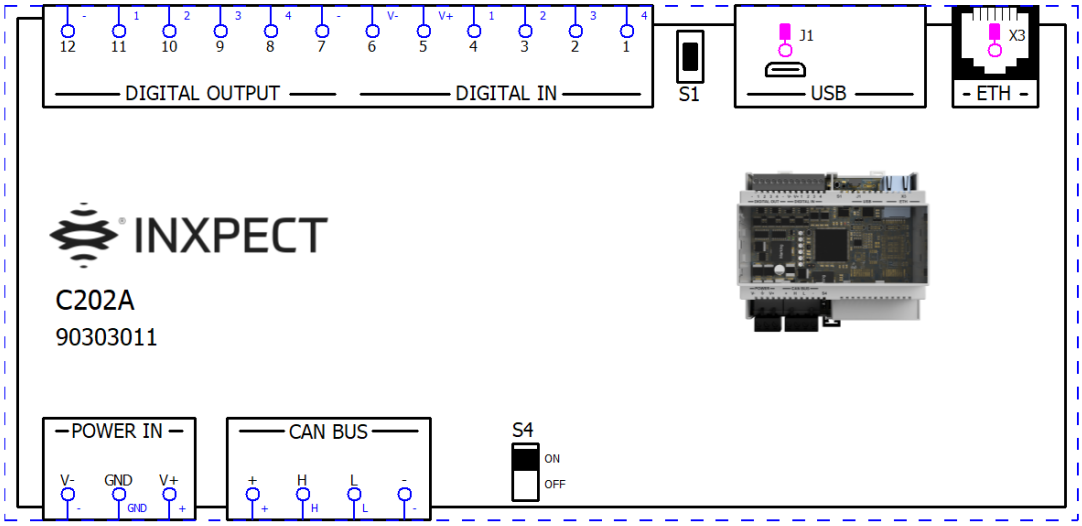


Description:

The C201A-F control unit can handle up to 6 Inxpect sensors; it has 1 Ethernet connection and 2 Fieldbus ports to implement the Safety over EtherCAT® (FSoE) communication. The Inxpect Safety application is used to configure the system via USB or via Ethernet. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd.

Images:

2.3. C202A *(INX.90303011.edz)*

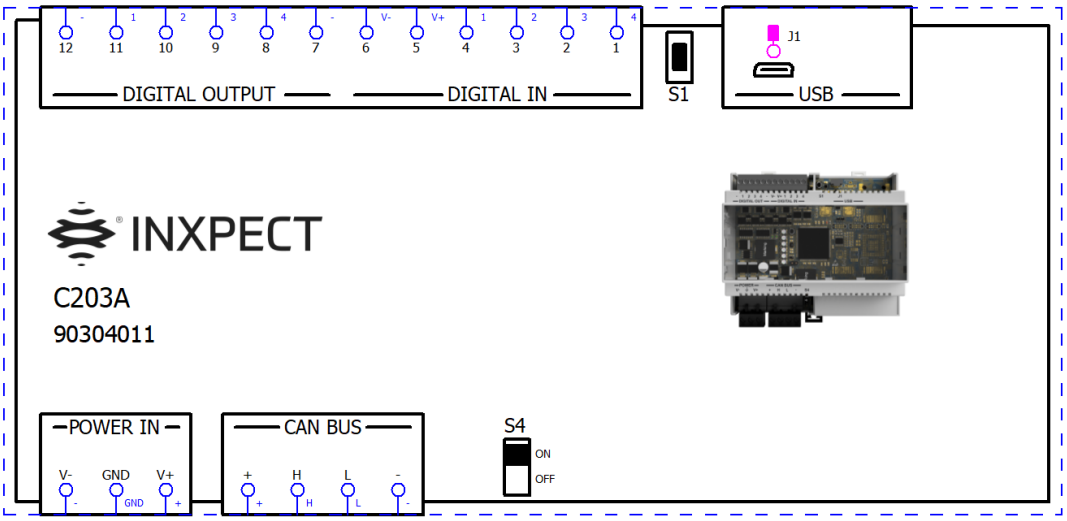


Description:

The C202A control unit can handle up to 6 Inxpect sensors; it has 1 Ethernet connection. The Inxpect Safety application is used to configure the system via USB or via Ethernet. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd.

Image:

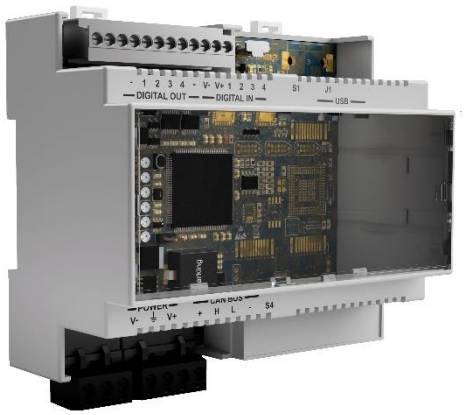
2.4. C203A *(INX.90304011.edz)*



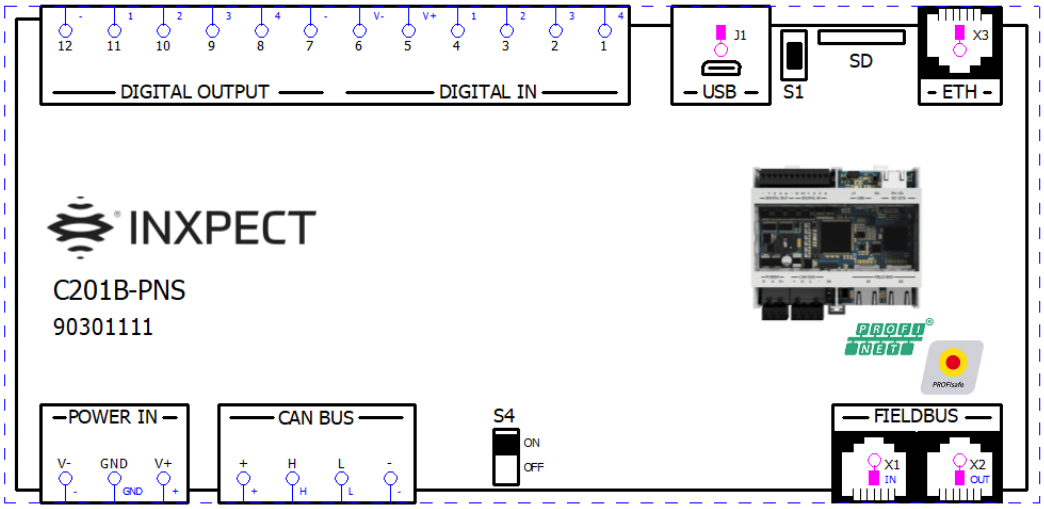
Description:

The C203A control unit can handle up to 6 Inxpect sensors. The Inxpect Safety application is used to configure the system via USB. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd.

Image:



2.5. C201B-P *(INX.90301111.edz)*

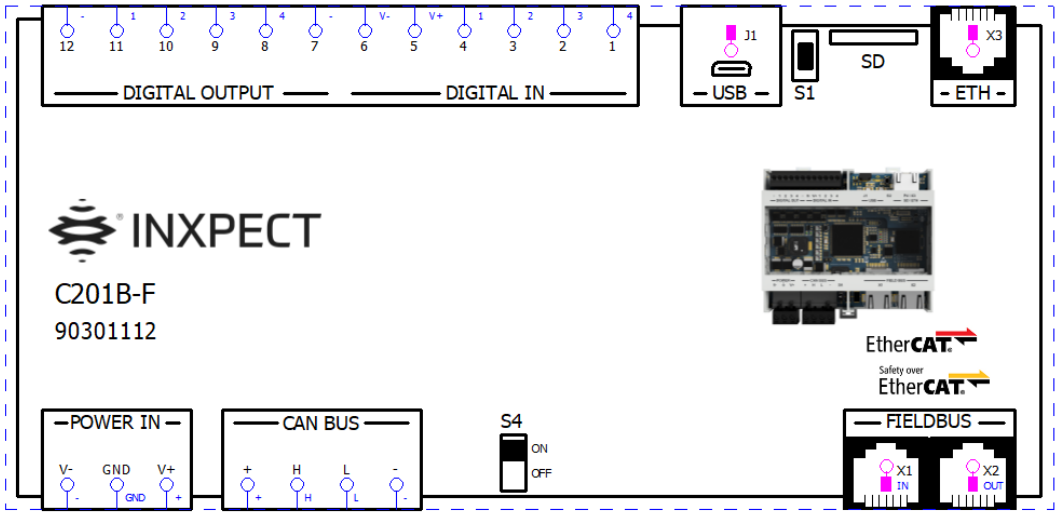


Description:

The C201B-P control unit can handle up to 6 Inxpect sensors; it has 1 Ethernet connection and 2 Fieldbus ports to implement the PROFINET/PROFIsafe communication. The Inxpect Safety application is used to configure the system via USB or via Ethernet. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. SD Restore and SD Backup available.

Images:

2.6. C201B-F *(INX.90301112.edz)*

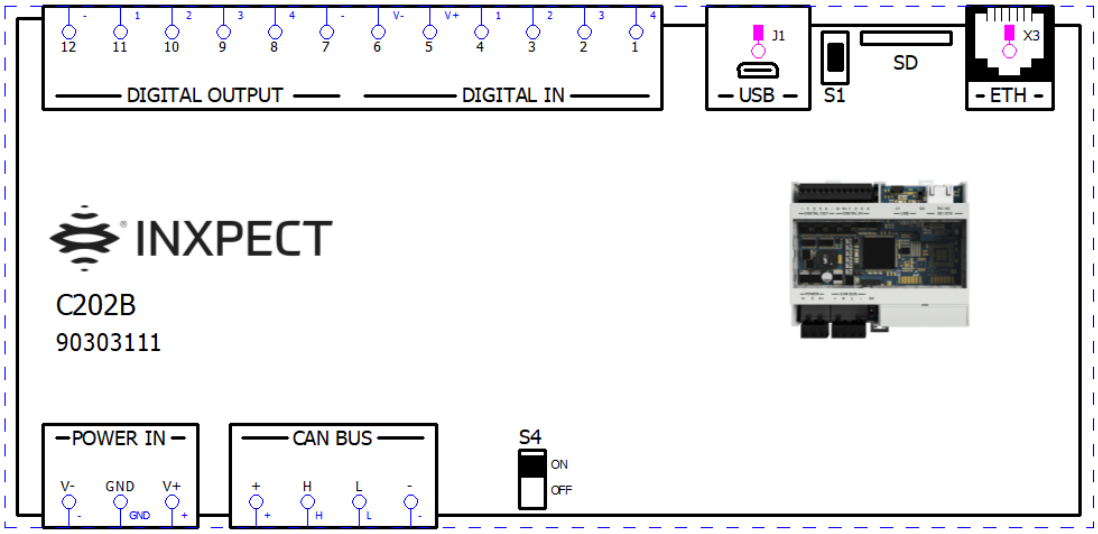


Description:

The C201B-F control unit can handle up to 6 Inxpect sensors; it has 1 Ethernet connection and 2 Fieldbus ports to implement the Safety over EtherCAT® (FSoE) communication. The Inxpect Safety application is used to configure the system via USB or via Ethernet. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. SD Restore and SD Backup available.

Images:

2.7. C202B *(INX.90303111.edz)*

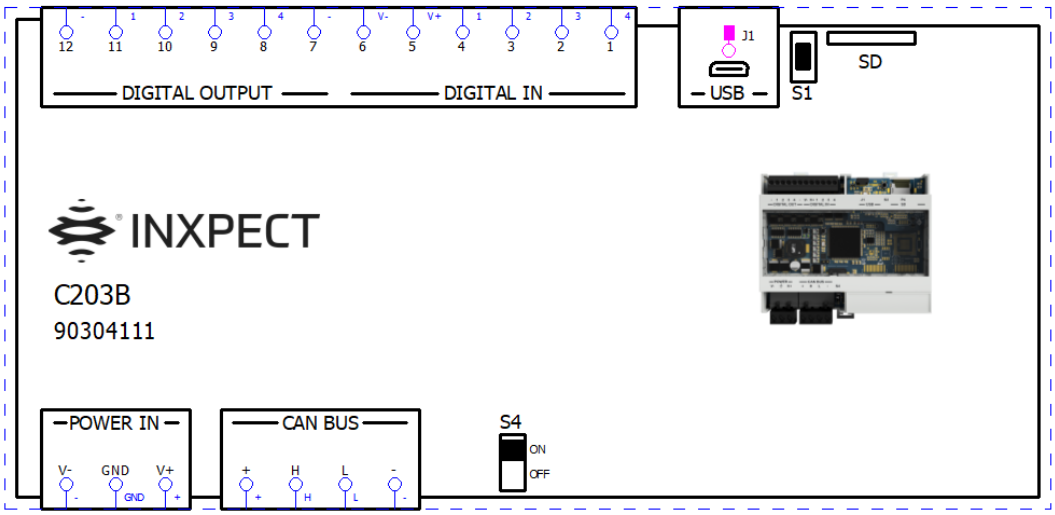


Description:

The C202B control unit can handle up to 6 Inxpect sensors; it has 1 Ethernet connection. The Inxpect Safety application is used to configure the system via USB or via Ethernet. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. SD Restore and SD Backup available.

Image:

2.8. C203B *(INX.90304111.edz)*



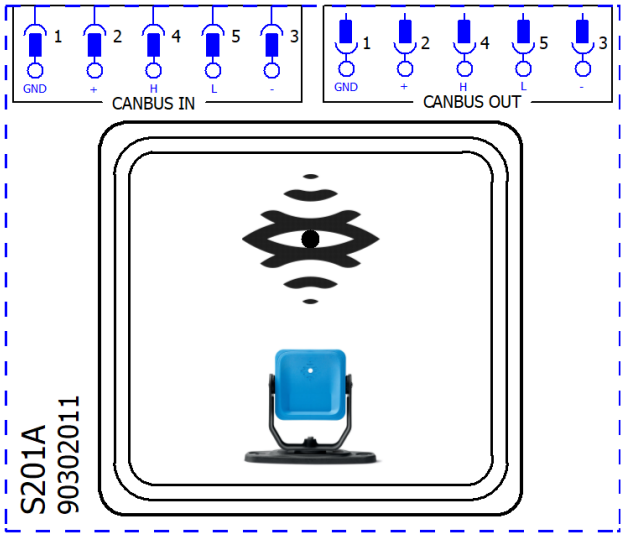
Description:

The C203B control unit can handle up to 6 Inxpect sensors. The Inxpect Safety application is used to configure the system via USB. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. SD Restore and SD Backup available.

Image:

3. Design and description: sensor

3.1. S201A *(INX.90302011.edz)*

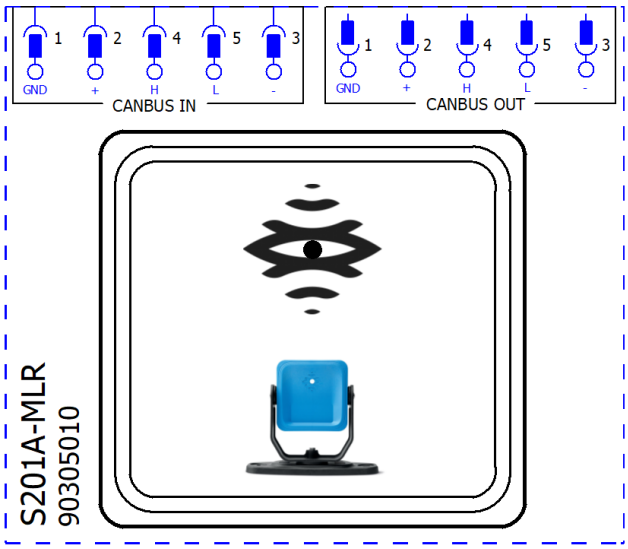


Description:

The sensors perform the detection of motion in their field of view, then they send the motion detection signal and the failures or faults detected on the sensor to the control unit through CAN bus. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. Detection distance from 0 to 5 m. Max target speed 2 m/s.

Image:

3.2. S201A-MLR *(INX.90305010.edz)*

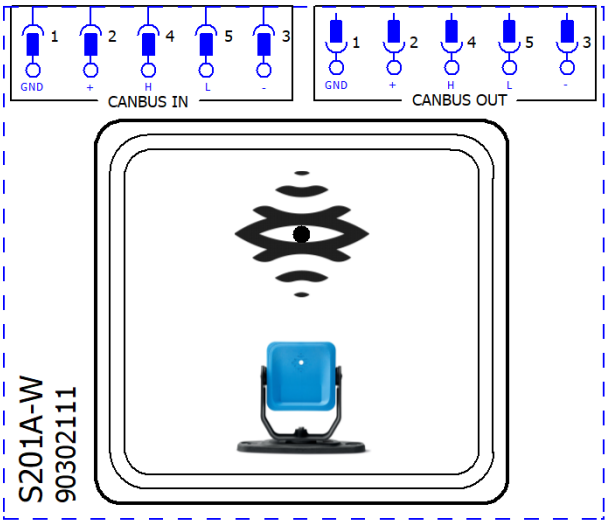


Description:

The sensors perform the detection of motion in their field of view, then they send the motion detection signal and the failures or faults detected on the sensor to the control unit through CAN bus. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. Detection distance from 0 to 9 m. Max target speed 4 m/s.

Image:

3.3. S201A-W *(INX.90302111.edz)*

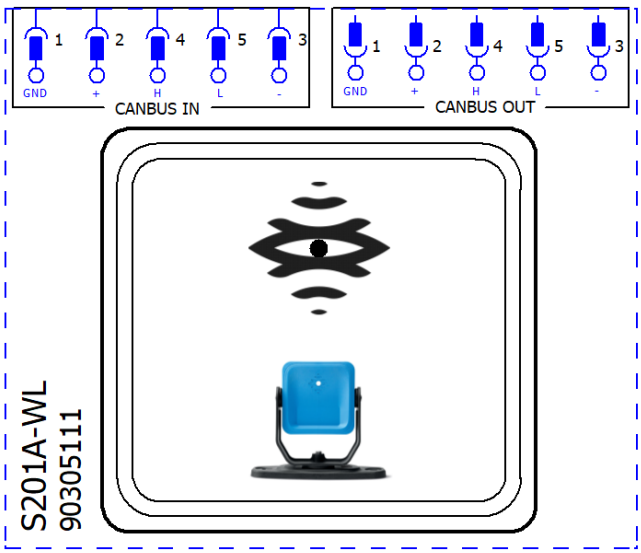


Description:

The sensors perform the detection of motion in their field of view, then they send the motion detection signal and the failures or faults detected on the sensor to the control unit through CAN bus. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. Detection distance from 0 to 5 m. Advanced shape of the field of view available (classic / corridor). Max target speed 2 m/s.

Image:

3.4. S201A-WL *(INX.90305111.edz)*

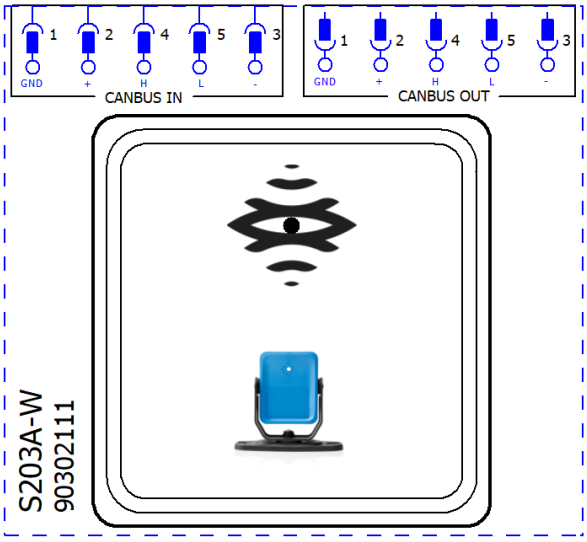


Description:

The sensors perform the detection of motion in their field of view, then they send the motion detection signal and the failures or faults detected on the sensor to the control unit through CAN bus. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. Detection distance from 0 to 9 m. Advanced shape of the field of view available (classic / corridor). Max target speed 4 m/s.

Image:

3.5. S203A-W *(INX.90306011.edz)*

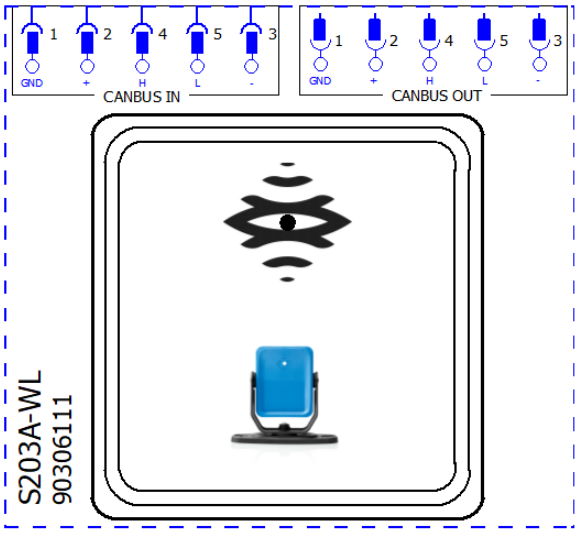


Description:

The sensors perform the detection of motion in their field of view, then they send the motion detection signal and the failures or faults detected on the sensor to the control unit through CAN bus. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. Detection distance from 0 to 5 m. Advanced shape of the field of view available (classic / corridor). Max target speed 2 m/s.

Image:

3.6. S203A-WL *(INX.90306111.edz)*

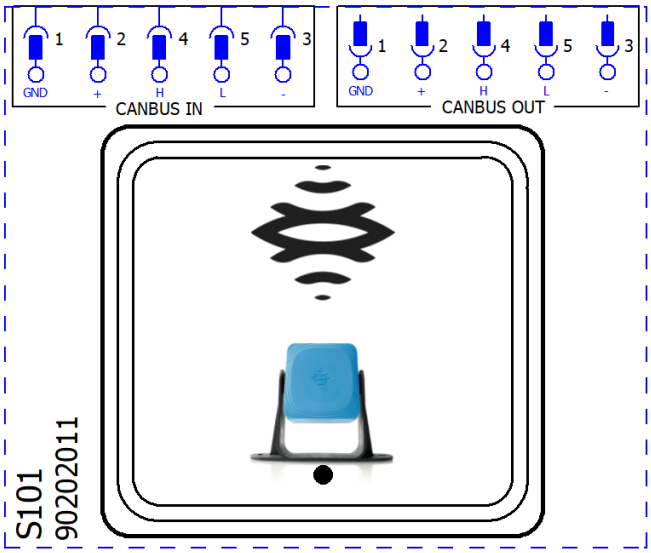


Description:

The sensors perform the detection of motion in their field of view, then they send the motion detection signal and the failures or faults detected on the sensor to the control unit through CAN bus. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. Detection distance from 0 to 9 m. Advanced shape of the field of view available (classic / corridor). Max target speed 4 m/s.

Image:

3.7. S101A *(INX.90202011.edz)*



Description:

The sensors perform the detection of motion in their field of view, then they send the motion detection signal and the failures or faults detected on the sensor to the control unit through CAN bus. It works in compliance with standard EN 50325-5 to guarantee SIL2 and PLd. Detection distance from 0 to 4 m.

Image:

3.8. BUS TERMINATOR *(INX.07000003.edz)*

Description:

The bus terminator has a resistance of 120 Ω and is used for the last sensor of the CAN bus.

Image: