



Technical Description

S900 I/O - Technical Description of BI934S

Products Concerned

BI934S Ring-coupler RS485 / FO intrinsically safe – Slave

- ABB article No. 3BDH000674R0001 (BARTEC article no. 07-3103-2512/9003)
- Separates an intrinsically safe fiber optic ring (optical plug FSMA) from one intrinsically safe RS485 fieldbus segment. Mounted in separate field housing.

Description

This document is giving a brief overview of type BI934S which consist of type BI914S fieldbus isolating repeater, type BI923S ring-coupler RS485 / FO intrinsically safe and appropriate field housing suitable for installation in hazardous areas. For technical details please take a look into the referenced documentation from 3rd party vendor BARTEC.

1x BI914S Fieldbus isolating repeater

- ABB article no. 3BDH000649R1 (BARTEC article no. 07-7311-97WP/K1E0)
- Separates an intrinsically safe RS485 fieldbus from a non-intrinsically safe RS485 fieldbus. One channel version, with bus termination intended for DIN rail mounting.

1x BI923S Ring-coupler RS485 / FO intrinsically safe – Slave

- ABB article no. 3KDE175831L9230 (BARTEC article no. 07-7311-97WP5400)
- Separates an intrinsically safe fiber optic ring (optical plug FSMA) from a none-intrinsically safe RS485 fieldbus. Intended for DIN rail mounting.

1x Field housing for installation in hazardous areas (Zone 1 and Zone 21)

- Bartec type 07-3103 with lid, made of glass-fiber reinforced polyester
- Dimensions 255x250x120 (width x height x depth)

Referenced Documents

Document	Identity
S900 I/O Data Sheet Field Housing BI934S ¹	2PAA105812 ¹
S900 I/O Data Sheet BI914S ¹	2PAA104605 ¹
S900 I/O Data Sheet BI923S/BI924S ¹	3BDD015022 ¹
S900 I/O Certifications BI914S/BI923S/BI934S ¹	2PAA111261 ¹

Note 1: For use in the ABB management systems the original BARTEC document/s has/have been assigned to an ABB document title and document identity number.

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Technical drawings

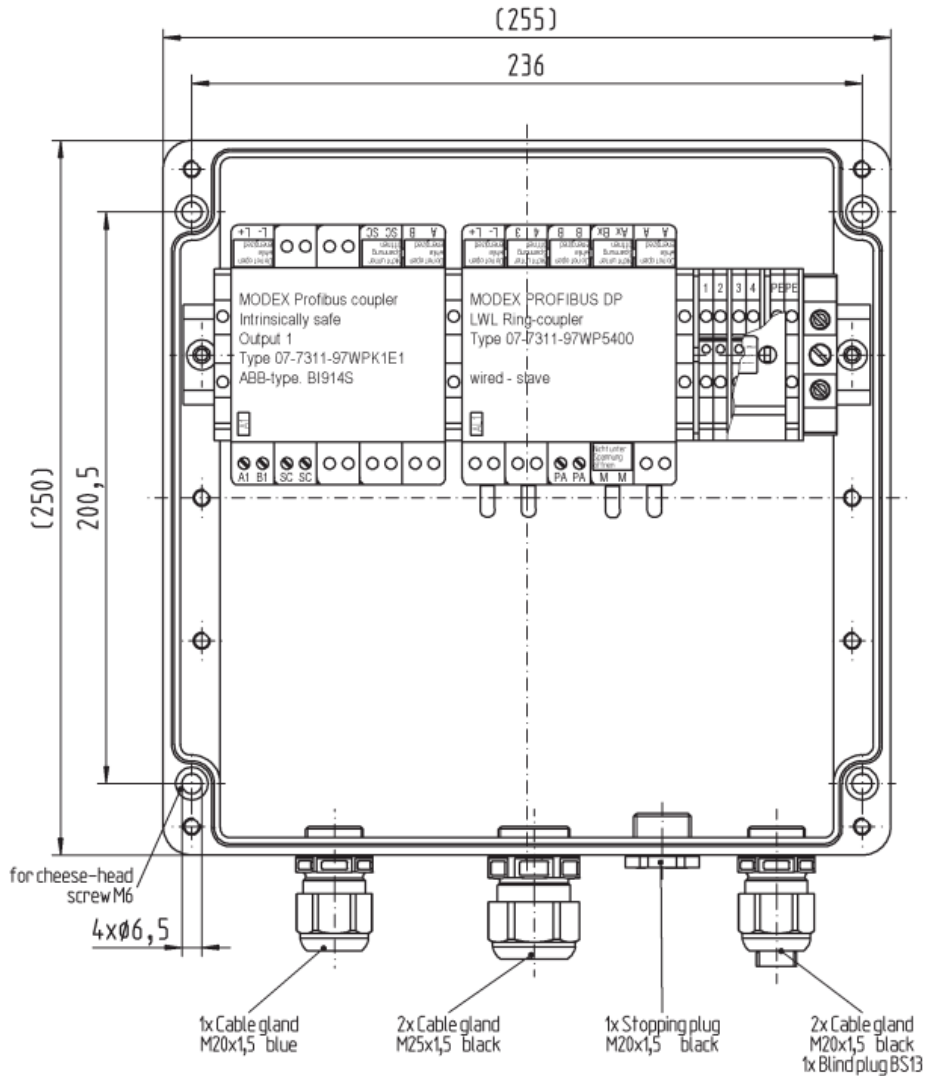


Figure 1: Dimensional drawing

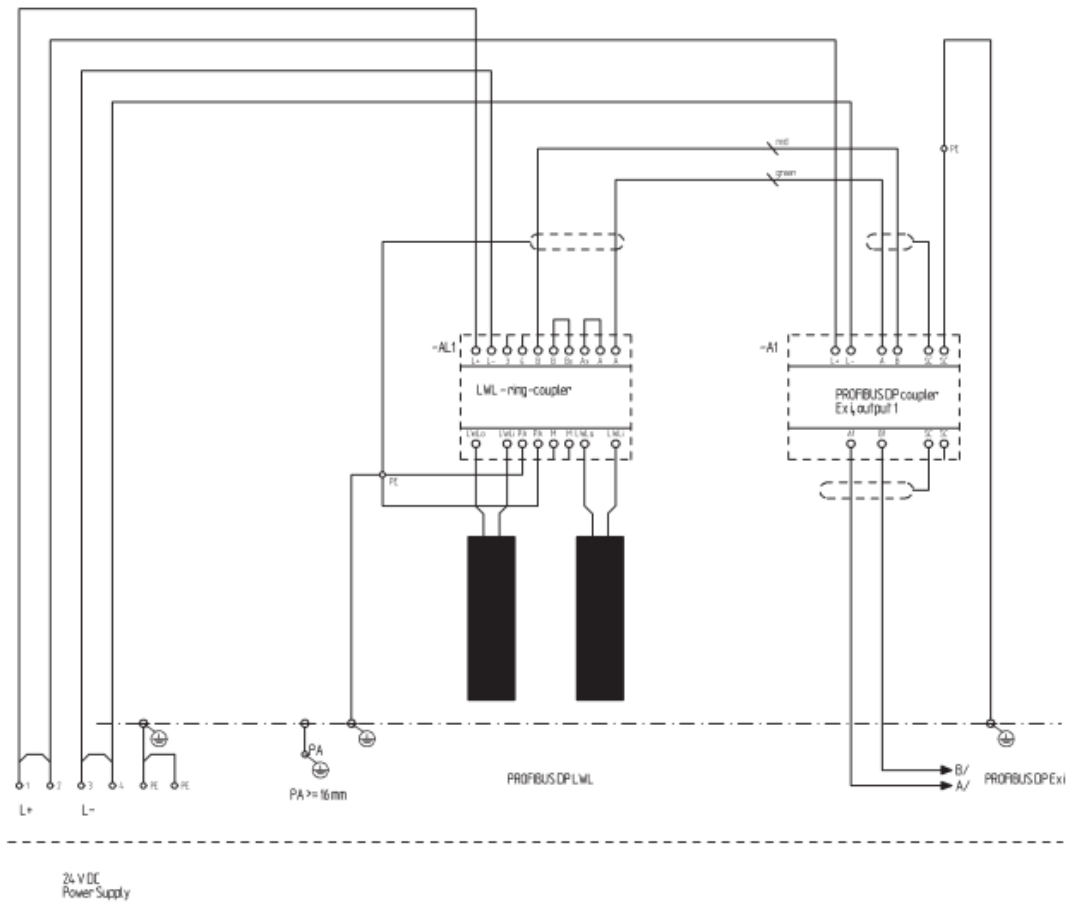


Figure 2: Drawing electrical connections



REVISION

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