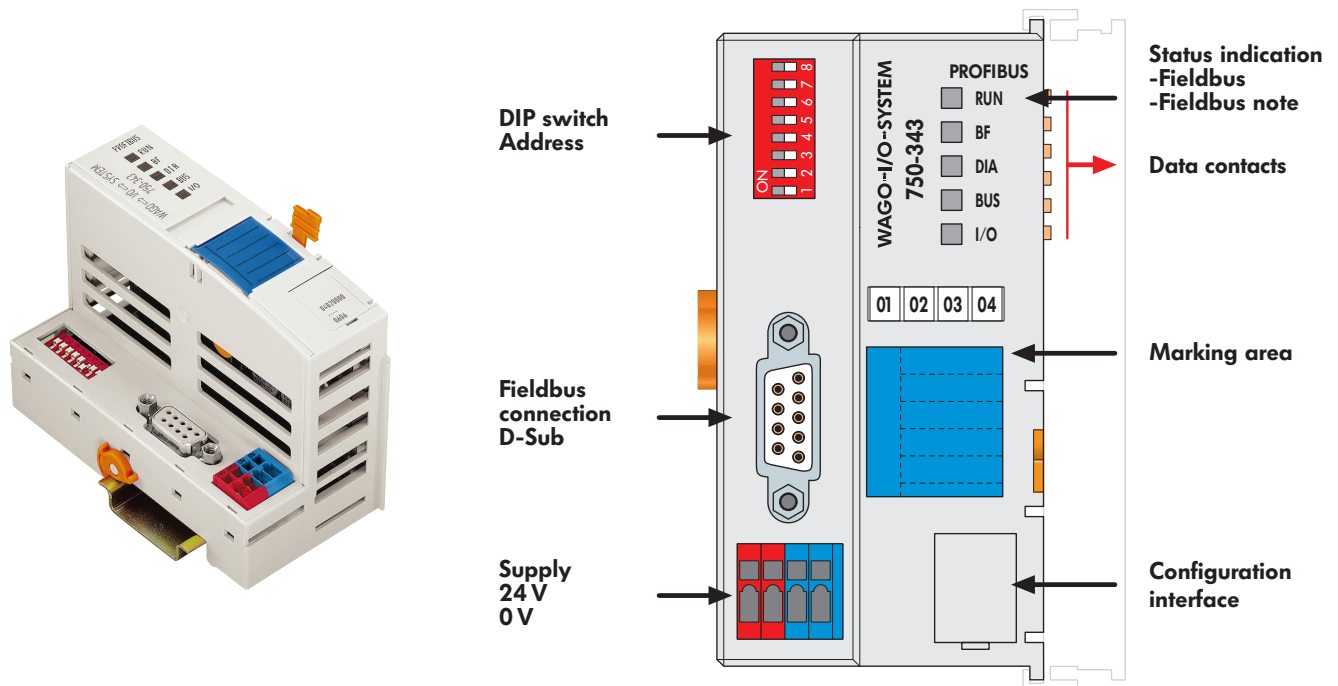


PROFIBUS DP
ECO Fieldbus Coupler; EN 50170; 12 MBaud; digital and analog signals



The ECO fieldbus coupler is designed for applications with a reduced scale I/O requirement. Using digital only process data or small amounts of analogs, while retaining all of the choice that's offered by the Series 750 I/O.

The coupler has an integrated supply terminal for the system voltage. The field power jumper contacts are supplied via a separate supply module.

When initializing, the buscoupler determines the module structure of the node, to create the process image in Profibus. In order to optimize addresses, the I/O modules with a bit width smaller than 8 are grouped in one byte.

It is furthermore possible to deactivate I/O modules and to modify the image of the node according to the connected signals without having to modify the existing application.

The diagnosis concept is based on diagnostics according to the EN 50170 Standard. Therefore the programming of modules is not necessary to interpret the diagnostic information from each manufacturer.

Note: GSD files required

| Description | Item-No. | Pack.-unit pcs | System Data | |
|------------------------|----------|----------------|---------------------------------|--|
| ECO PROFIBUS DP 12 MBd | 750-343 | 1 | Max. no. of nodes | 125 with repeater |
| | | | Max. no. of I/O points | ca. 6000 (depends on master) |
| | | | Transmission medium | Cu cable acc. to EN 50170 |
| | | | Max. length of fieldbus segment | 100 m ... 1200 m (depends on the baud rate/on the cable) |
| | | | Baud rate | 9.6 kBaud ... 12 MBaud |
| | | | Transmission time | typ. 1 ms (10 nodes; 32 Is, 32 Os per node; with 12 MBaud and digital signals) max. 3.3 ms |
| | | | Buscoupler connection | 1 x D-Sub 9; socket |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

