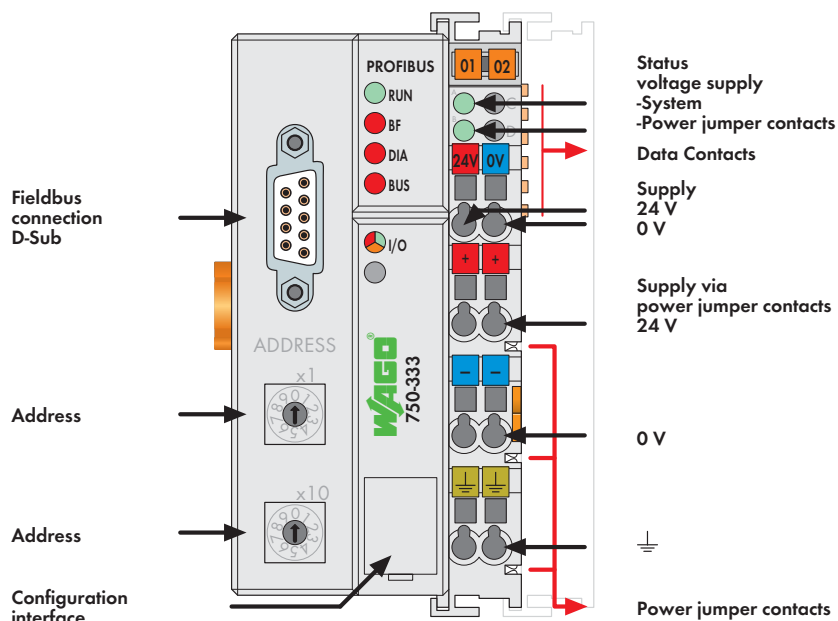




This buscoupler interfaces the I/O modules of the WAGO-I/O-SYSTEM to PROFIBUS DP.

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.

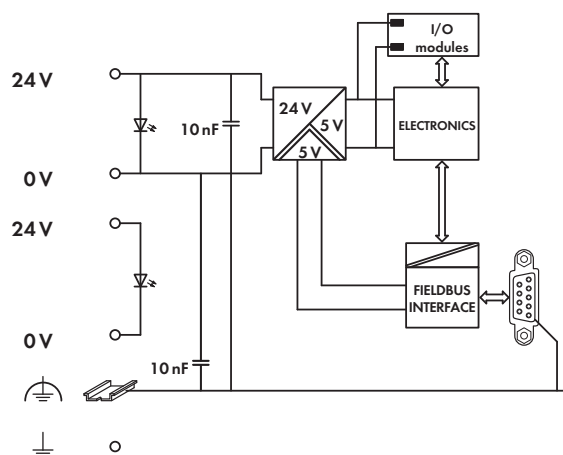
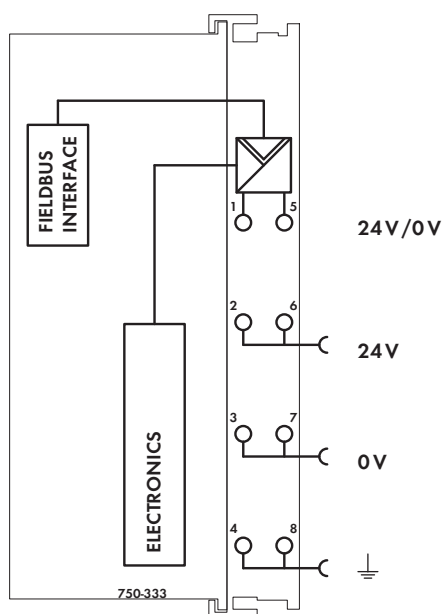
It is furthermore possible to deactivate I/O modules and to modify the image of the node according to the connected signals without having to modify the existing application.

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.

**Notice: GSD files required**

| Description                                                                                             | Item No.                                                                            | Pack. Unit     |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------|
| PROFIBUS DP/V1 12MBd                                                                                    | 750-333                                                                             | 1              |
| PROFIBUS DP/V1/T                                                                                        | 750-333/025-000                                                                     | 1              |
| Extended temperature range: -20 °C ... +60 °C                                                           |                                                                                     |                |
|                                                                                                         |                                                                                     |                |
| Accessories                                                                                             | Item No.                                                                            | Pack. Unit     |
| GSD files                                                                                               | Download: <a href="http://www.wago.com">www.wago.com</a>                            |                |
| Miniature WSB Quick marking system                                                                      |                                                                                     |                |
|                      | plain                                                                               | 248-501        |
|                                                                                                         | with marking                                                                        | see Section 11 |
| 5                                                                                                       |                                                                                     |                |
| Standards and Approvals                                                                                 |                                                                                     |                |
| Standard                                                                                                | EN 50170                                                                            |                |
| Conformity marking                                                                                      | CE                                                                                  |                |
| Korea Certification                                                                                     |  |                |
| Marine applications (versions upon request)                                                             | ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA                                            |                |
|  UL 508               |                                                                                     |                |
|  ANSI/ISA 12.12.01    | Class I, Div. 2, Grp. ABCD, T4                                                      |                |
| TÜV 12.1297 X (Brasilien)                                                                               | Ex nA IIC T4 Gc                                                                     |                |
|  TÜV 07 ATEX 554086 X | I M2 Ex d I Mb,<br>II 3 G Ex nA IIC T4 Gc,<br>II 3 D Ex tc IIIC T135°C Dc           |                |
| Permissible ambient temperature 0 °C ... +60 °C                                                         |                                                                                     |                |
| IECEX TUN 09.0001 X                                                                                     | Ex d I Mb,<br>Ex nA IIC T4 Gc,<br>Ex tc IIIC T135°C Dc                              |                |
| Permissible ambient temperature 0 °C ... +60 °C                                                         |                                                                                     |                |

[illegible]



## Technical Data

|                                          |                           |
|------------------------------------------|---------------------------|
| Number of I/O modules                    | 63                        |
| Max. input process image                 | 244 bytes                 |
| Max. output process image                | 244 bytes                 |
| Configuration                            | via PC or PLC             |
| Power supply                             | 24 V DC (-25 % ... +30 %) |
| Max. input current (24 V)                | 500 mA                    |
| Power supply efficiency                  | 87 %                      |
| Internal current consumption (5 V)       | 200 mA                    |
| Total current for I/O modules (5 V)      | 1800 mA                   |
| Isolation                                | 500 V system/supply       |
| Voltage via power jumper contacts        | 24 V DC (-25 % ... +30 %) |
| Current via power jumper contacts (max.) | 10 A DC                   |

## General Specifications

|                                         |                                           |
|-----------------------------------------|-------------------------------------------|
| Operating temperature                   | 0 °C ... +55 °C                           |
| Wire connection                         | CAGE CLAMP®                               |
| Cross sections                          | 0.08 mm² ... 2.5 mm² / AWG 28 ... 14      |
| Strip lengths                           | 8 ... 9 mm / 0.33 in                      |
| Dimensions (mm) W x H x L               | 51 x 65 x 100                             |
|                                         | Height from upper-edge of DIN 35 rail     |
| Weight                                  | 183.1 g                                   |
| Storage temperature                     | -25 °C ... +85 °C                         |
| Relative air humidity (no condensation) | 95 %                                      |
| Vibration resistance                    | acc. to IEC 60068-2-6                     |
| Shock resistance                        | acc. to IEC 60068-2-27                    |
| Degree of protection                    | IP20                                      |
| EMC immunity of interference            | acc. to EN 61000-6-2, marine applications |
| EMC emission of interference            | acc. to EN 61000-6-4, marine applications |