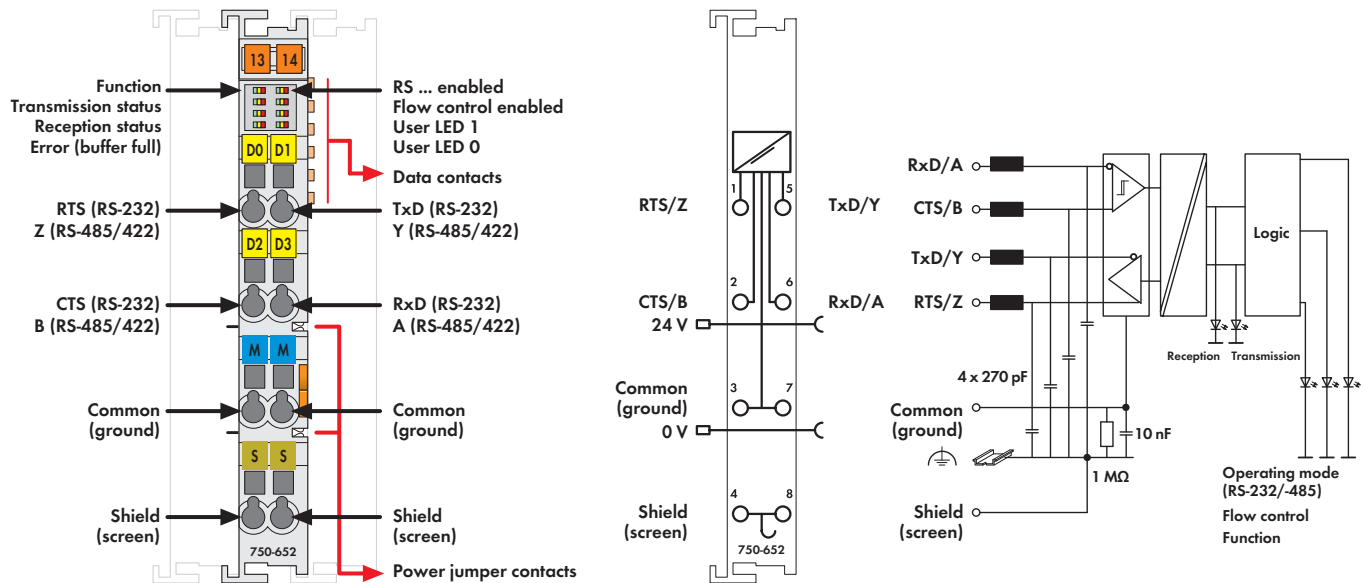


## Serial Interface RS-232 / RS-485

Configurable



Delivered without miniature WSB markers

The serial interface module connects RS-485/422 or RS-232 interface devices to the WAGO-I/O-SYSTEM 750. It also provides gateways between the serial interface and the fieldbus systems supported by the WAGO-I/O-SYSTEM 750. No higher protocol level is required by the module. Communication is completely transparent to the fieldbus master, which provides a wide range of applications for the serial interface module. If required, communication protocols can be configured via fieldbus master.

The 2560-byte input buffer provides for high data transmission rates. At lower transmission rates, the data received in lower priority tasks is evaluated without data loss.

The 512-byte output buffer provides fast transmission of larger data strings.

The module can be configured via WAGO-I/O-CHECK or GSD files. Flexible baud rate and data width selection enable easy adaptation to applications.

**Compatibility with couplers/controllers:**

See manual, Section 3 "Device Description"

| Description                                      | Item No.                                                                  | Pack. Unit |
|--------------------------------------------------|---------------------------------------------------------------------------|------------|
| RS-232 / RS-485 configurable                     | 750-652                                                                   | 1          |
| RS-232 / RS-485 configurable/T                   | 750-652/025-000                                                           | 1          |
| Extended temperature range: -20 °C ... +60 °C    |                                                                           |            |
| RS-232 / RS-485 configurable (without connector) | 753-652                                                                   | 1          |
| Accessories                                      | Item No.                                                                  | Pack. Unit |
| WAGO-I/O-CHECK, RS-232 kit                       | 759-302                                                                   | 1          |
| 753 Series Connectors                            | 753-110                                                                   | 25         |
| Coding elements                                  | 753-150                                                                   | 100        |
| Miniature WSB Quick marking system               |                                                                           |            |
| plain                                            | 248-501                                                                   | 5          |
| with marking                                     | see Section 11                                                            |            |
| Approvals                                        |                                                                           |            |
| Conformity marking                               | CE                                                                        |            |
| Korea Certification                              | KEC <sup>1)</sup>                                                         |            |
| 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 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 |            |
| IECEx TUN 09.0001 X                              | Ex d I Mb,<br>Ex nA IIC T4 Gc,<br>Ex tc IIIC T135°C Dc                    |            |
| <sup>1)</sup> Does not apply to 753-652          |                                                                           |            |

| Technical Data                 |                                                                            |
|--------------------------------|----------------------------------------------------------------------------|
| Transmission channels          | 1 Tx/D / 1 Rx/D, full duplex, half duplex 7 or 8 bit data, 1 or 2 stop bit |
| Baud rate                      | 9,600 baud (default setting)<br>300 baud ... 115,200 baud                  |
| Bit transfer                   | RS-485/-422: ISO 8482 / DIN 66259 - 4; RS-232: EIA/TIA-232-F               |
| Line length                    | RS-485/-422: max. approx. 1000 m<br>twisted pair, RS-232: max. 40 m        |
| Buffer                         | 2560 bytes in / 512 bytes out                                              |
| Current consumption (internal) | 85 mA                                                                      |
| Power supply                   | via system voltage DC/DC                                                   |
| Isolation                      | 500 V system/supply                                                        |
| Internal bit width             | 1 x 46/1 x 24/1 x 6 bytes in/out (parametrizable), 2 bytes control/status  |
| Wire connection                | CAGE CLAMP®                                                                |
| Cross sections                 | 0.08 mm² ... 2.5 mm² / AWG 28 ... 14                                       |
| Strip lengths                  | 8 ... 9 mm / 0.33 in<br>9 ... 10 mm / 0.37 in                              |
| Width                          | 12 mm                                                                      |
| Weight                         | 51 g                                                                       |
| EMC immunity of interference   | acc. to EN 61131-2, marine applications                                    |
| EMC emission of interference   | acc. to EN 61131-2, marine applications                                    |