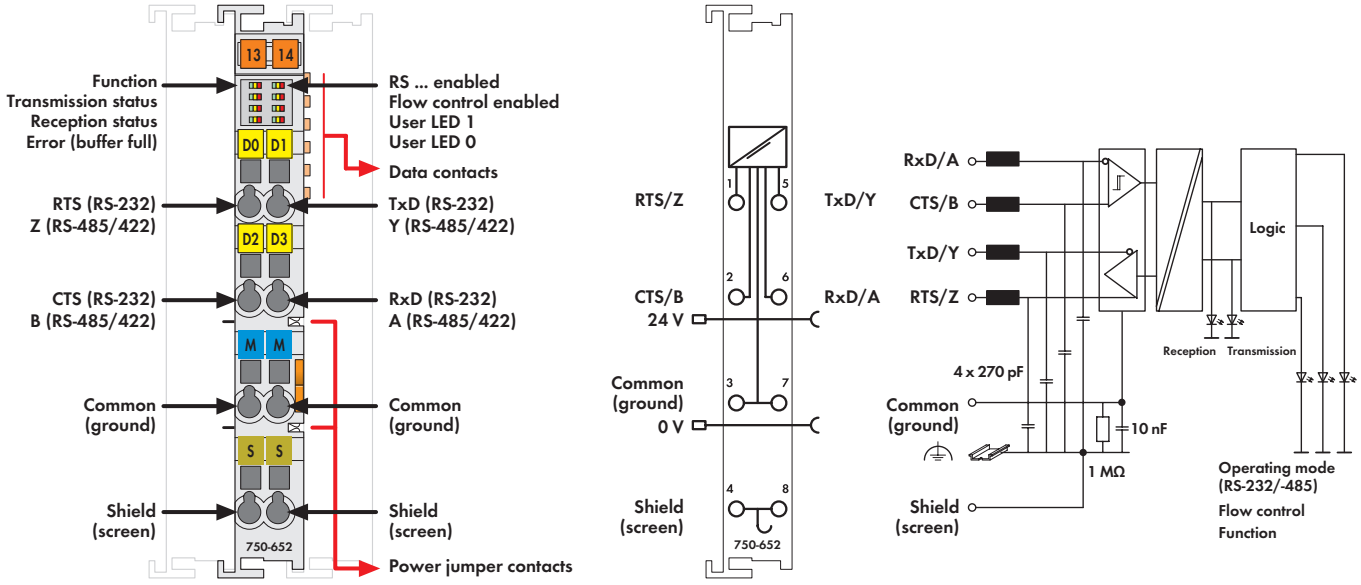
Serial Interface RS-232 / RS-485

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
(Operating temperature -20 °C ... +60 °C)		

Accessories	Item No.	Pack. Unit
WAGO-I/O-CHECK, RS-232 kit	**759-302**	1
Miniature WSB Quick marking system		
plain	**248-501**	5
with marking	see Full Line Catalog 2010/2011 Volume 3, Section 1	

Approvals

750 Series
Conformity marking CE
UL 508

Technical Data	
Transmission channels	1 TxD / 1 RxD, full duplex, half duplex 7 or 8 bit data, 1 or 2 stop bit
Baud rate	9,600 baud (default setting) 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 twisted pair, RS-232: max. 40 m
Buffer	2560 bytes in / 512 bytes out
Current consumption (internal)	85 mA
Voltage 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
Stripped lengths	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	50 g