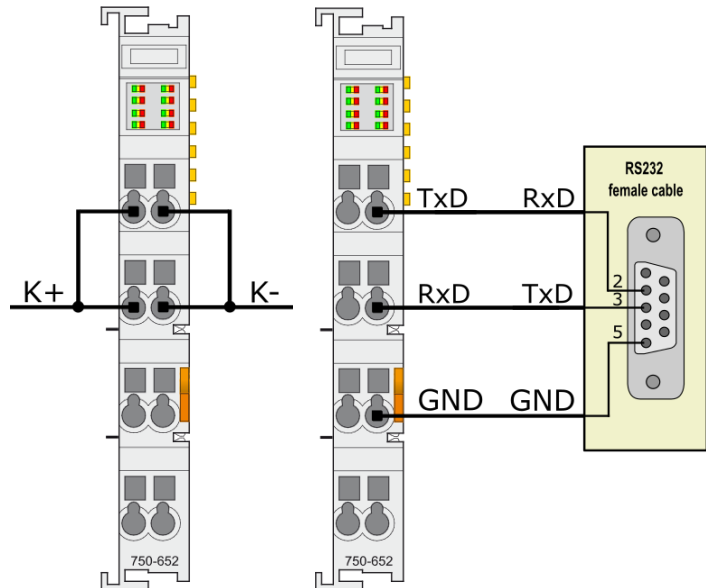


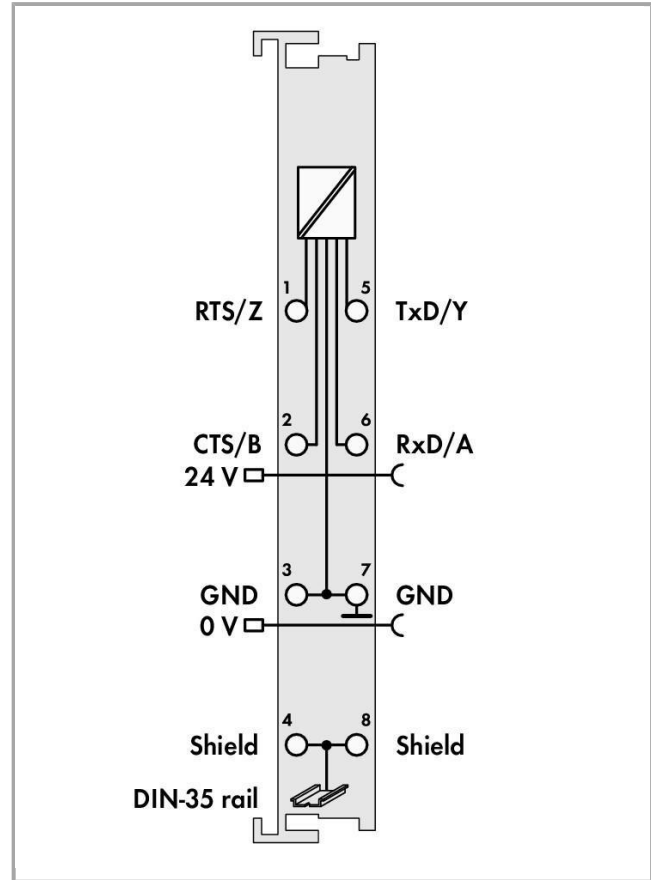
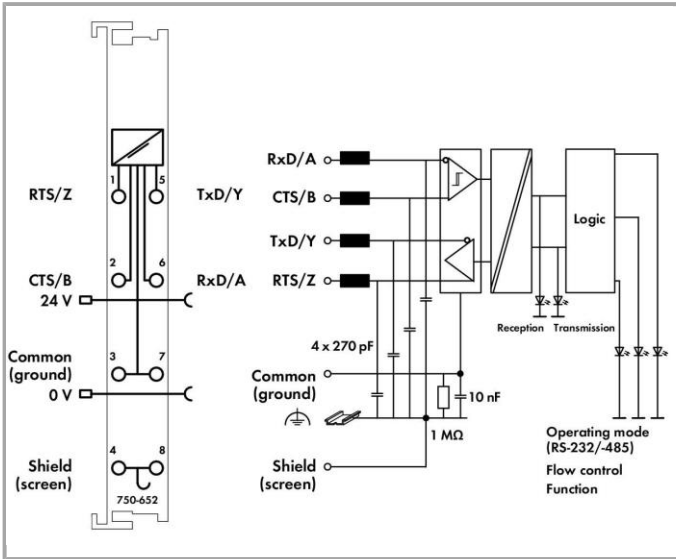
## RS-485

## RS-232



RoHS  
Compliant

BOMcheck.net



## Item description

The serial interface module connects RS-485/422 or RS-232 C 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 to the associated fieldbus master is completely transparent. This provides for a broader application scope for the serial interface module. If required, communication protocols can be configured via fieldbus master.

The 2560 byte input buffer provides for high data baud rates. At lower baud 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 provides perfect adaptation to the respective application.

### Note:

Compatibility with couplers/controllers:

See manual, Section 3 "Device Description"

## Data

### Technical Data

Type of signal	RS-232, RS-422/-485
Baud rate	300 Baud ... 115.2 kBd
Bit transfer	RS-485/-422: ISO 8482 / DIN 66259 - 4; RS-232: EIA/TIA-232-F
Transmission channels	1 TxD / 1 RxD, full duplex, half duplex 7 or 8 bit data, 1 or 2 stop bit
Line length	RS-485/-422: max. approx. 1000 m twisted pair, RS-232: max. 40 m
Bit width	1 × 46/1 × 22/1 × 6-byte input/output (parametrizable), 2-byte control /status
Parity	None/Even/Odd
Number of data bits	7/8, adjustable
Stop bits	1/2
Buffer	2560 bytes in / 512 bytes out
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply (5 V)	85 mA
Field supply voltage	DC 24 V; connection via blade contacts, communication via spring contacts)
Isolation	500 V system/supply
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Current carrying capacity of the power jumper contacts	10 A

### Connection data

Connection technology: In-/Outputs	8 × CAGE CLAMP <sup>®</sup>
Connection type (1)	Inputs/Outputs
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch

### Geometrical Data

Width	12 mm / 0.472 inch
Height	67.8 mm / 2.669 inch
Height from upper-edge of DIN-35 rail	60.6 mm / 2.386 inch
Depth	100 mm / 3.937 inch

### Mechanical data

Type of mounting	DIN-35 rail
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## Material Data

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Weight	51.511 g
Conformity marking	CE

## Environmental Requirements

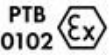
Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Protection class	IP20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying) or vertical
Relative air humidity (no condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61131-2, marine applications
EMC emission of interference	acc. to EN 61131-2, marine applications
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %	25 ppm



## Commercial data

Product Group	15 (Remote I/O)
Country of origin	DE
GTIN	4055143880336


## Approvals / Certificates

### Ex-Approvals







Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TÜV 07 ATEX 554086 X en.

	TUEV Nord TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 09.0001 X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726 Sec.1

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	KC National Radio Research Agency	Article 58-2, Clause 3	MSIP-REM-43SIM750

Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	19-HG1821926
	DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	GL Germanischer Lloyd	-	11 631 - 10 HH
	KR Korean Register of Shipping	-	HMB05880AC001
	LR Lloyds Register	-	02/20026 (E5)
	NK Nippon Kaiji Kyokai	-	TA17255M



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<https://www.domat-int.com/en/data-sheets>



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RINA  
RINA Germany GmbH

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ELE343217XG

UL-Approvals

Logo

Approval

Additional Approval Text

Certificate name



UL  
UL International Netherlands B.V. (ORDINARY LOCATIONS)

UL 508

E175199 Sec.1

Subject to changes.

Domat control system

WAGO Kontakttechnik GmbH & Co. KG (manufacturer)

Do you have any questions about our products?

We are always happy to take your call at +420 461 100 666.