

Serial Interface RS-485

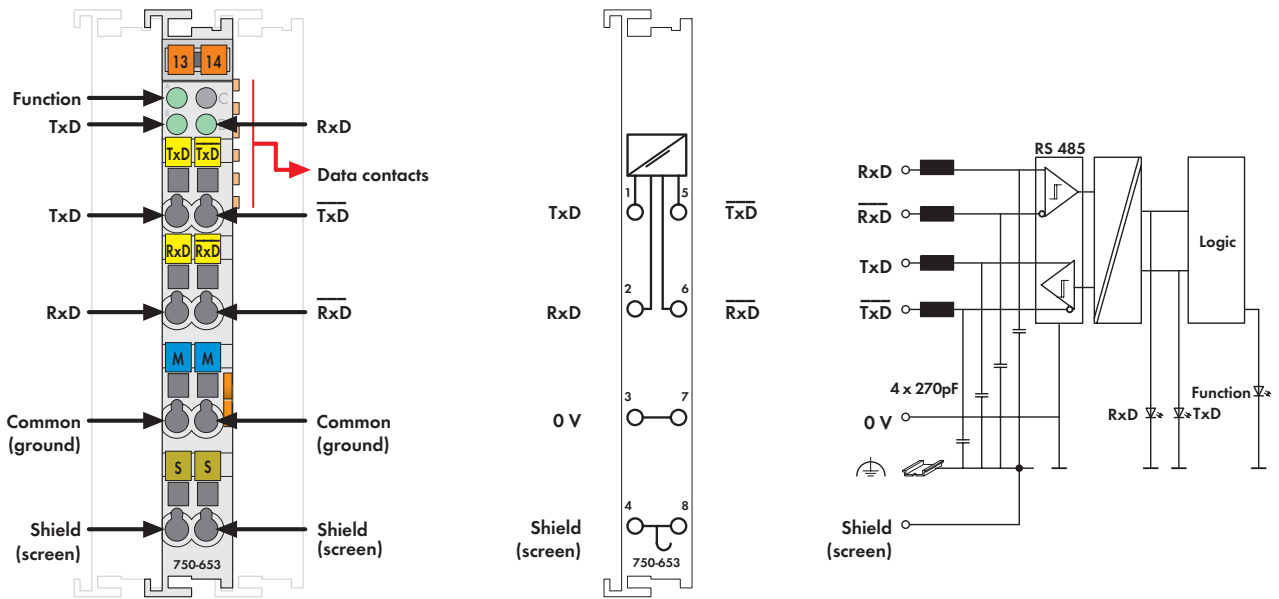


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers  
750/753 Series marking see pages 10 ... 11 / 12 ... 13

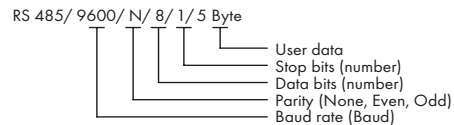
The interface integrated in the I/O module allows the connection of any device which is equipped with an RS-485 interface.

The RS-485 interface guarantees high interference immunity because of the electrically isolated signals.

The interface operates in accordance with the TIA/EIA-485-A, DIN 66259 standard.

The shield (screen) is directly connected to the DIN rail.

The connected device can communicate directly with the control unit via the fieldbus coupler. The active communication channel works independently of the higher-level fieldbus system and allows full duplex operation up to 19200 baud.



Description	Item No.	Pack. Unit
RS-485/ 9600/ N/ 8/ 1	750-653	1
RS-485/ 9600/ E/ 7/ 2	750-653/000-001	1
RS-485/ 9600/ E/ 8/ 1	750-653/000-002	1
RS-485/ 19200/ N/ 8/ 1/ 5 bytes	750-653/000-006	1
RS-485/ 2400/ N/ 8/ 1	750-653/000-007	1
RS-485 / configurable	750-653/003-000	1
RS-485 / Configurable/T	750-653/025-000	1
[Operating temperature -20 °C ... +60 °C]		
RS-485/ 9600/N/8/1/5 bytes/T	750-653/025-018	1
[Operating temperature -20 °C ... +60 °C]		
RS-485/ 9600/ N/ 8/ 1 (without connector)	753-653	1
Accessories	Item No.	Pack. Unit
753 Series Connectors	753-110	25
Coding elements	753-150	100
<b>Miniature WSB Quick marking system</b>		
plain	248-501	5
with marking	see pages 352 ... 353	
Approvals	Also see "Approvals Overview" in Section 1	
Conformity marking	CE	
Shipbuilding (versions upon request)	ABS, BV, DNV, GL, KR, LR*, NKK*, PRS*, RINA* *753 Series, pending	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	75x-653 750-653/000-xxx 750-653/003-000
EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4	75x-653
EN 61241-0, -1		750-653/000-00x 750-653/003-000

Technical Data	
Transmission channels	1 TxD / 1 RxD, full duplex
Baud rate	9600 baud (factory preset) 1200 ... 19200 baud
Bit transfer	ISO 8482 / DIN 66259 - 4
Line length	approx. 1000 m twisted pair
Buffer	128 bytes in/16 bytes out
Current consumption (internal)	65 mA
Power supply	via system voltage DC/DC
Isolation	500 V system/supply
Internal bit width	1 x 24 bits in/out (3 bytes user data)
Wire connection	1 x 8 bits control/status CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	51.7 g
EMC: CE - immunity to interference	acc. to EN 61000-6-2 (2005)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)
EMC: marine applications	
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