

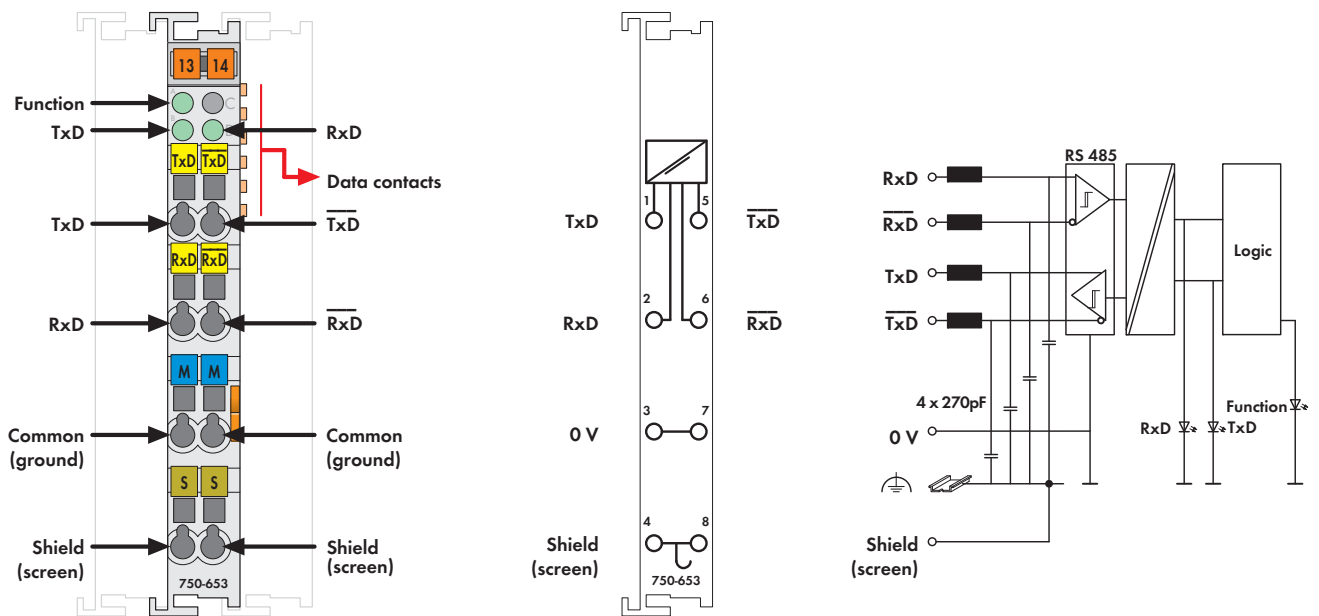


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker
 Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

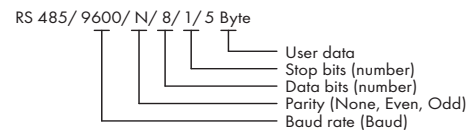
This interface allows the connection of any device which is equipped with a RS-485 serial interface.

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

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

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

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



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 connector	753-110	25
 Coding elements	753-150	100
 Miniature WSB quick marking system,		
plain	248-501	5
with marking	see pages 256 ... 257	
Approvals		
Series 750 and 753		
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
Series 750		
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4	
Marine applications	see "Approvals Overview" in section 1	

Technical Data	
Transmission channel	1 TxD / 1 RxD, full duplex
Baud rate	9600 baud (factory preset)
	1200 ... 19200 baud
Bit transfer	ISO 8482 / DIN 66259 - 4
Line length (max.)	approx. 1000 m twisted pair
Buffer	128 bytes in/16 bytes out
Current consumption (internal)	65 mA
Voltage supply	via system voltage DC/DC
Isolation	500 V system/supply
Internal bit width	1 x 24 bits in/out (3 bytes user data)
	1 x 8 bits control/status
Wire connection	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 50082-2 (1996)
EMC CE-Emission of interference	acc. to EN 50081-1 (1993)
EMC marine applications -	
Immunity to interference	acc. to Germanischer Lloyd (2003)
EMC marine applications -	
Emission of interference	acc. to Germanischer Lloyd (2003)