

Serial Interface RS-232 C

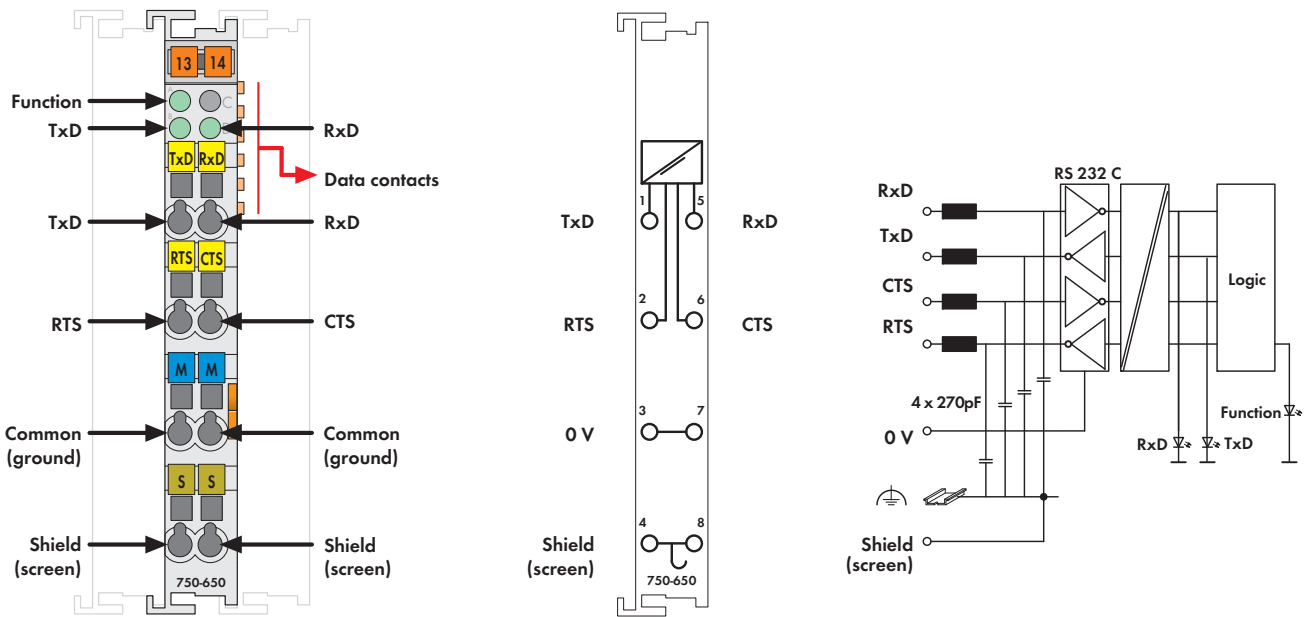


Fig. Series 750 / Technical data see page 28 / Delivery without Mini WSB marker  
Series 750 / 753 marking see pages 16 ... 17 / 18 ... 19

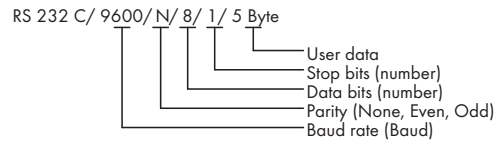
This interface allows the connection of any device which is equipped with a RS-232 C serial interface.

The RS-232 C interface guarantees high interference immunity because of the electrically isolated signals.

The interface works in accordance with the TIA/EIA-232-F, CCITT V.28/DIN 66259-1 standard.

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

The connected device may directly communicate over the fieldbus coupler with the control unit. 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-232 C/ 9600/ N/ 8/ 1	750-650	1
RS-232 C/ 9600/ N/ 8/ 1/ 5 bytes	750-650/000-001	1
RS-232 C/ 9600/ E/ 7/ 2	750-650/000-002	1
RS-232 C/ 4800/ E/ 7/ 1	750-650/000-004	1
RS-232 C/ 9600/ E/ 8/ 1	750-650/000-006	1
RS-232 C/ 2400/ E/ 8/ 1	750-650/000-009	1
RS-232 C/ 19200/ N/ 8/ 1	750-650/000-010	1
RS-232 C/ 19200/ E/ 8/ 1	750-650/000-011	1
RS-232 C/ 2400/ N/ 8/ 1	750-650/000-012	1
RS-232 C/ 4800/ E/ 7/ 2	750-650/000-013	1
RS-232 C/ 2400/ E/ 7/ 2	750-650/000-014	1
RS-232 C/ 4800/ E/ 8/ 1	750-650/000-015	1
RS-232 C/ 9600/ O/ 7/ 2/ 5 bytes	750-650/000-016	1
RS-232 C/ Configurable	750-650/003-000	1
RS-232 C Interface (without connector)	753-650	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 Tx/D / 1 Rx/D, full duplex
Baud rate	9600 baud (factory preset)
	1200 ... 19200 baud
Bit skew	< 3 %
RS-232 line length (max.)	15 m
Buffer	128 bytes in/16 bytes out
Current consumption max. (internal)	55 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	51.5 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)