

1 Serial Interface RS-232 C

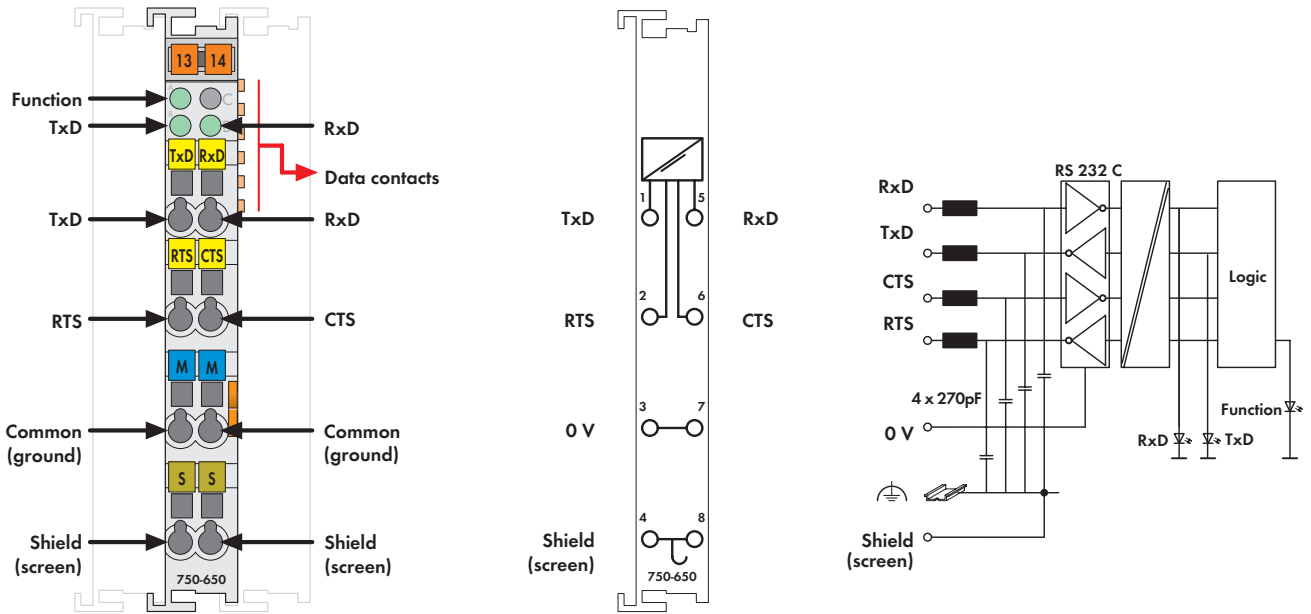
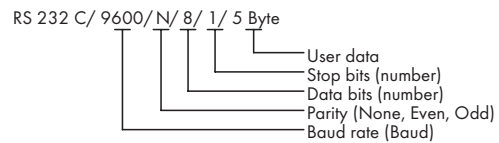


Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 12 ... 13 / 14 ... 15

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

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

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



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.

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

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 Connectors	753-110	25
Coding elements	753-150	100
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see pages 304 ... 305	

Approvals	
750 and 753 Series	
Conformity marking	CE
UL 508	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
750 Series (Approvals for product variations upon request)	
EN 60079-15	I M2 / II 3 GD Ex nA IIC T4
Shipbuilding	see "Approvals Overview" in section 1

Technical Data	
Transmission channels	1 Tx/D / 1 RxD, 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
Max. current consumption (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 61000-6-2 (2005)
EMC CE-Emission of interference	acc. to EN 61000-6-4 (2007)
EMC marine applications - Immunity to interference	acc. to Germanischer Lloyd (2003)
EMC marine applications - Emission of interference	acc. to Germanischer Lloyd (2003)