

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

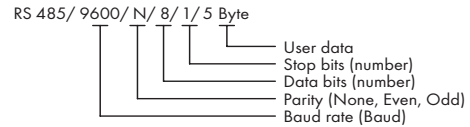
This interface allows the connection of any device which is equipped with a RS-485 serial interface.

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

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

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

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.



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		
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 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 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
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 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)