

Fig. 750 Series
Delivered without miniature WSB markers

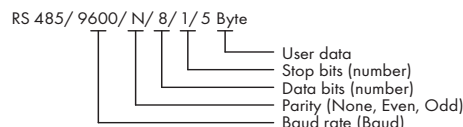
This interface allows the connection of any device which is equipped with a RS-485 serial interface.

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
Extended temperature range: -20 °C ... +60 °C		
RS-485/ 9600/N/8/1/5 bytes/T	750-653/025-018	1
Extended temperature range: -20 °C ... +60 °C		
RS-485/ 9600/ N/ 8/ 1 (without connector)	753-653	1
RS-485 / configurable (without connector)	753-653/003-000	1

Approvals

Conformity marking	CE
Korea Certification	KC ¹⁾
Marine applications (versions upon request)	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA
UL 508	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
TÜV 07 ATEX 554086 X	I M2 Ex d I Mb, II 3 G Ex nA IIC T4 Gc, II 3 D Ex tc IIIC T135°C Dc
IECEX TUN 09.0001 X	Ex d I Mb, Ex nA IIC T4 Gc, Ex tc IIIC T135°C Dc

¹⁾ Does not apply to 750-653/000-007 and 750-653/025-018

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)
	1 x 8 bits control/status
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14
Strip lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	51.7 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-4, marine applications

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 Section 11	