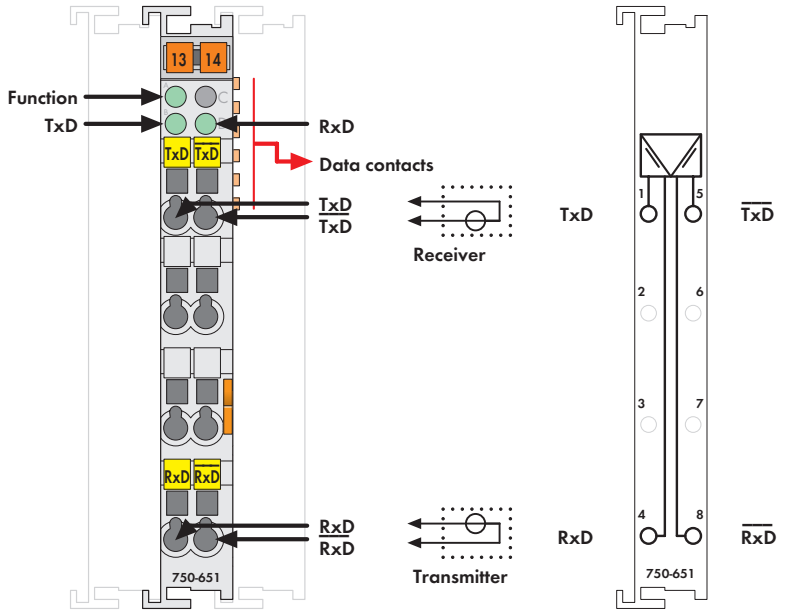
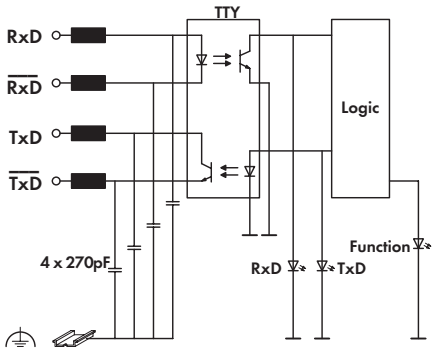
TTY Interface - 20 mA Current Loop





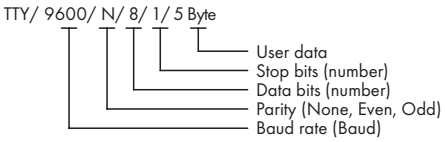
Delivered without miniature WSB markers

This interface allows the connection of devices which are equipped with a 20mA current interface.

The interface is working in active, semi-active or passive operation mode. The module communicates with the control unit over the fieldbus coupler.

The active communication channel works independently of the higher-level fieldbus system and allows full duplex operation up to 19200 baud.

The TTY interface guarantees high interference immunity because of the electrical isolation and the driven loop current.



Description	Item No.	Pack. Unit
TTY/ 9600/ N/ 8/ 1	**750-651**	1
TTY/ 9600/ N/ 8/ 1/ 5 bytes	**750-651/000-001**	1
TTY/ 9600/ E/ 8/ 1	**750-651/000-002**	1
TTY/ 1200/ N/ 8/ 1	**750-651/000-003**	1

Accessories		Item No.	Pack. Unit
Miniature WSB Quick marking system			
	plain	**248-501**	5
	with marking	see pages 304 ... 305	

Approvals

750 Series	(Approvals for product variations upon request)
Conformity marking	CE
UL 508	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4
EN 50021	II 3 G EEx nA II 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	2 x 20 mA
Load impedance	< 500 Ω
Line length	approx. 1000 m twisted pair
Buffer	128 bytes in/16 bytes out
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	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	48.5 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)