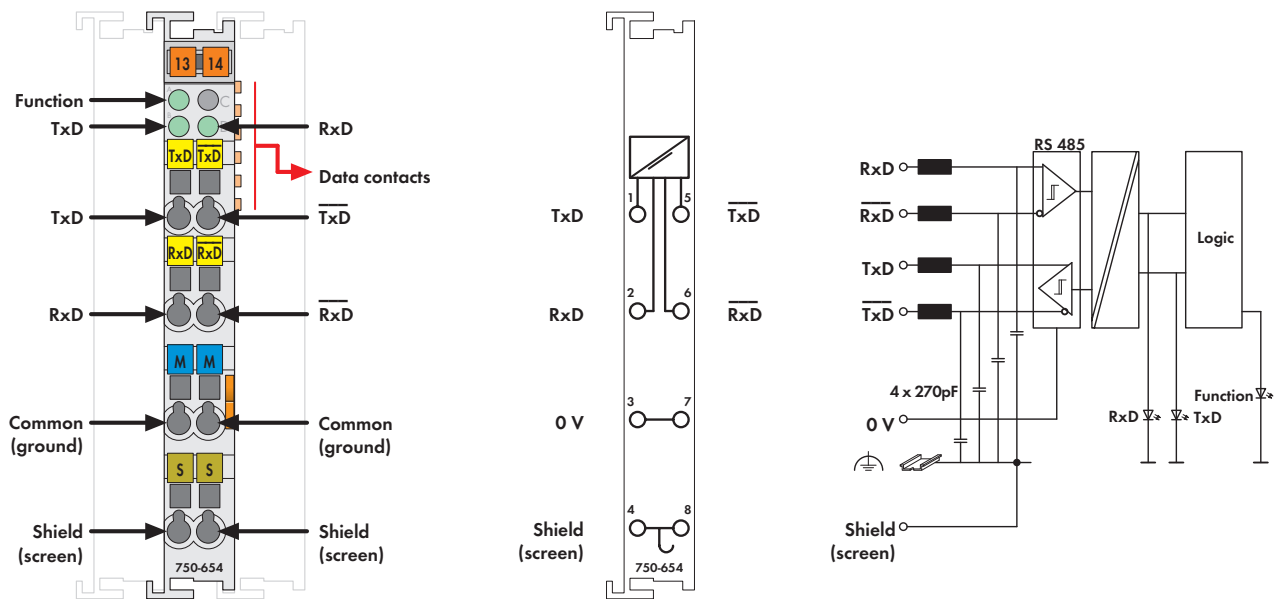


# Data Exchange Module



Delivered without miniature WSB markers

The data exchange module allows the exchange of data between different fieldbus systems.

Two modules are a communication pair that is connected by means of two twisted wire pairs. Each module is part of a fieldbus node.

The data exchange is done in full duplex operation, independent of the fieldbus system used. The data of the output process image of the fieldbus coupler is transmitted to the communication partner. This module then transmits the data to the input process image of its fieldbus coupler and vice versa.

Factory preset transmission is 32 bits of input data and 32 bits of output data. Data transfer time for 32 bits of I/O is about 5ms.

The LED "function" indicates a data exchange with the buscoupler. The status of the data transmission is indicated by the TxD and RxD LEDs.

Description	Item No.	Pack. Unit
Data Exchange Module	750-654	1
<b>Accessories</b>		
Miniature WSB Quick marking system		
plain	248-501	5
with marking	see pages 304 ... 305	
<b>Approvals</b>		
750 Series		
Conformity marking	CE	
UL 508		
Shipbuilding	see "Approvals Overview" in section 1	

Technical Data	
Transmission channels	1 TxD / 1 RxD, full duplex
Baud rate	62500 baud (8 N 1)
Bit transfer	via 2 twisted pair with differential signals
Line impedance	120 Ω
Line length	approx. 1000 m twisted pair
Current consumption (internal)	65 mA
Voltage supply	via system voltage DC/DC
Isolation	500 V system/supply
Internal bit width	1 x 32 bits in/out 1 x 8 bits control/status
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm <sup>2</sup> ... 2.5 mm <sup>2</sup> / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	55 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)