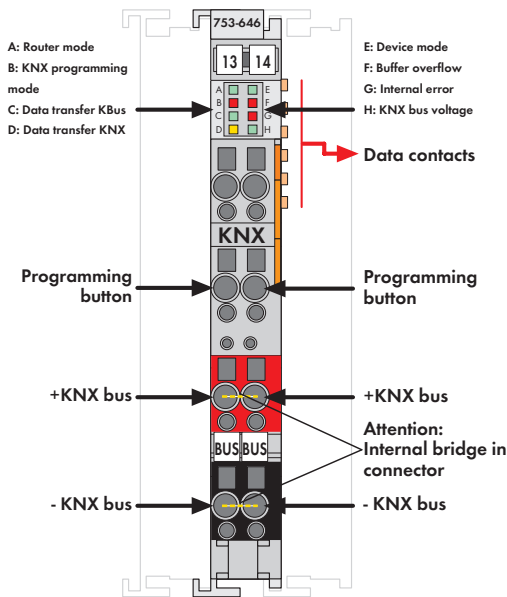
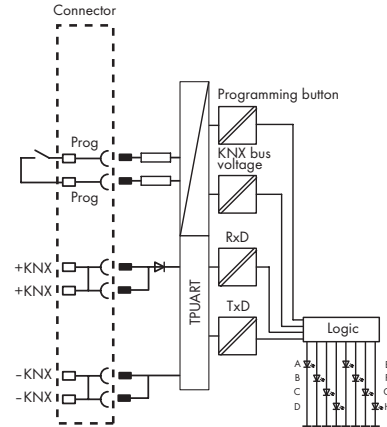
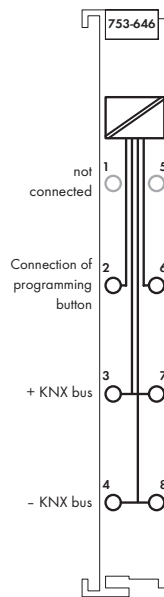




Delivered without miniature WSB markers



The KNX/EIB/TP1 I/O module 753-646 serves to connect a KNX/EIB/TP1 network. The module supports two different functions:

1. Device mode: With this module, all programmable controllers (*1) that are relevant for building automation can be connected to a KNX/TP1 network. In a KNX network, the module appears as a standard KNX device and is linked using the ETS 3 Professional commissioning tool. The module supports a maximum of 253 communication objects with any DPTs, 254 group addresses and 254 associations. The application is programmed using WAGO-I/O-PRO CAA. An ETS3 plug-in, which is included in the WAGO product database, is required so that the data from the application program can be allocated to the group addresses.

*1: See www.wago.com: Documentation WAGO-I/O-SYSTEM 753 Specialty Modules KNX/EIB/TP1 Module - Device Mode

2. Router mode: When used together with the KNX IP 750-849 controller, with the first KNX/EIB/TP1 module 753-646 connected, this module can be used as a KNXnet/IP router. The module is switched to router mode automatically. An application program is not required for operation in router mode. Additional modules that are connected to a KNX IP controller are addressed in the device mode by the application. The 753 Series connector with internally bridged contacts (3/7 and 4/8) is part of the delivery. Both an external KNX voltage supply and ETS 3.0 Professional are required to operate the KNX/EIB/TP1 I/O module.

Description	Item No.	Pack. Unit
KNX/EIB/TP1 Module	753-646	1
Accessories	Item No.	Pack. Unit
Miniature WSB Quick marking system		
	plain	248-501
	with marking	see pages 352 ... 353
WAGO ETS3 plug-in (included in WAGO ETS3 product database)		
Download: www.wago.com : Beratung und Support → Downloads →		
Gebäudeautomation → ETS3 → Produktdatenbank		
Approvals	Also see "Approvals Overview" in Section 1	
KNX certified		
Conformity marking	CE	
Shipbuilding	ABS, DNV, GL*, KR	
	* Shield connection of the bus line is required for GL-complaint installation.	
 UL 508		
Technical Data		
Wire connection	CAGE CLAMP®	
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14	
Stripped lengths	9 ... 10 mm / 0.37 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 61000-6-3 (2007)	
EMC: marine app. - immunity to interference	acc. to Germanischer Lloyd (2003)	
EMC: marine app. - emission of interference	acc. to Germanischer Lloyd (2003)	

Technical Data	
KNX/TP1 bus specification	1.0
Voltage supply (KNX)	via KNX power supply unit
Current consumption (KNX)	5 mA
Baud rate (KNX)	9.6 kbaud
Programming	using WAGO-I/O-PRO CAA (device mode)
Commissioning (KNX side)	with ETS3 plugin; programming button-bridge 2/6
Diagnostic information	via FbKNX_Master_646 function block (device mode)
Fault behavior	via FbKNX_Master_646 function block (device mode)
Voltage supply (internal)	via system voltage DC/DC
Current consumption (internal)	max. 25 mA
Isolation	2.5 kV rms
Internal bit width	24 bytes
Programming button	Bridge 2/6
Device mode:	
Number of communication objects	253
Number of group addresses	254
Number of associations	254
Supported DPTs	All (* acc. to KNX Specification 03_07_02 Data Point Types V 1.0)
Router mode:	
Can be used as	
- Line coupler	yes
- Area coupler	yes
- KNX interface	yes