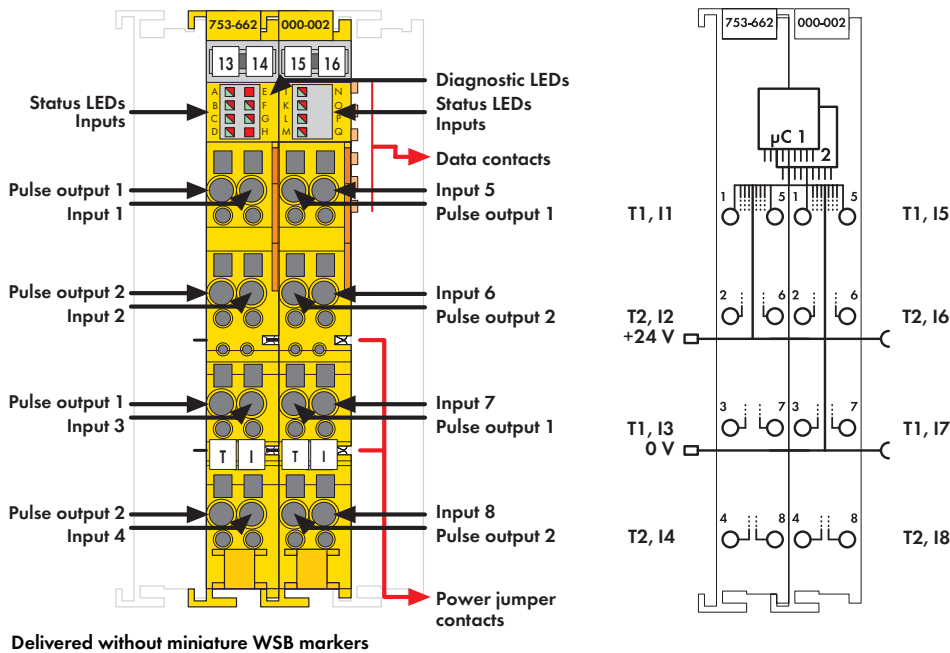


8-Channel Digital Input Module PROFIsafe V2.0





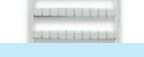

The 753-662/000-002 PROFIsafe Input Module can connect with potential-free emergency stop buttons with contacts, safety interlock switches, operating mode switches, safety sensors as well as semiconductor outputs. The module provides 8 clock-sensitive inputs (I1-I8) that are fed by 2 differently clocked outputs (T1-T2). The clock outputs are short-circuit proof. The inputs and outputs are constantly monitored for cross circuits and voltage supply from separate sources. Both these faults and additional safety relevant parameters (e.g. test pulse lengths, discrepancy and filter times) can be configured via WAGO-I/O-CHECK. A bi-color LED for each of the 8 input channels indicates the signal state; additional LEDs indicate internal or external errors. The PROFIsafe address can be set using the DIP switch located on the side of the module, or via WAGO-I/O-CHECK.



The module supports both PROFIsafe V1.3 (PROFIBUS) and V2.0 (PROFIBUS, PROFINET) protocols.

Each output is electrically isolated from the bus by optocouplers. Any module configuration is possible when designing the fieldbus node.

To protect the module against surge voltages (acc. to IEC 6100-4-5), the 750-626 Filter Module or an external surge filter must be used to filter the 24V supply voltage.

Reference the product manual for further information.

Description	Item No.	Pack. Unit
8FDI 24V PROFIsafe V2 (without connector)	753-662/000-002	1
Accessories		
 753 Series connector	753-120	25
 Coding elements	753-150	100
 Miniature WSB Quick marking system		
plain	248-501	5
with marking	see pages 304 ... 305	
Standards and Approvals		
750 and 753 Series		
Safety standards	IEC 61508; IEC 62061; EN 954-1; EN ISO 13849	
Conformity marking	CE	
 UL 508		

Technical Data	
Inputs	
Sensor inputs	I1 ... I8; clock sensitive to T1 ... T2 Type 1 acc. to IEC61131
Input current (typ.)	2.2 mA
Input frequency (max.)	4 Hz
General Specifications	
Achievable safety classes	Cat. 4, SIL 3, PL e
Voltage supply	5 V system voltage via internal bus 24 V via power jumper contacts
Voltage via power jumper contacts	24 V DC (20.4 V ... 28.8 V, -15% ... +20%)
Current consumption typ. (internal)	140 mA
Current consumption typ. (field side)	34 mA
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm ² ... 2.5 mm ² / AWG 28 ... 14
Stripped lengths	9 ... 10 mm / 0.37 in
Width	24 mm
Weight	50 g
EMC  Immunity to interference	acc. to EN 61000-6-2 (2005)
EMC  Emission of interference	acc. to EN 61000-6-4 (2007)