8-Channel Digital Input Safety Module PROFIsafe V2 iPar

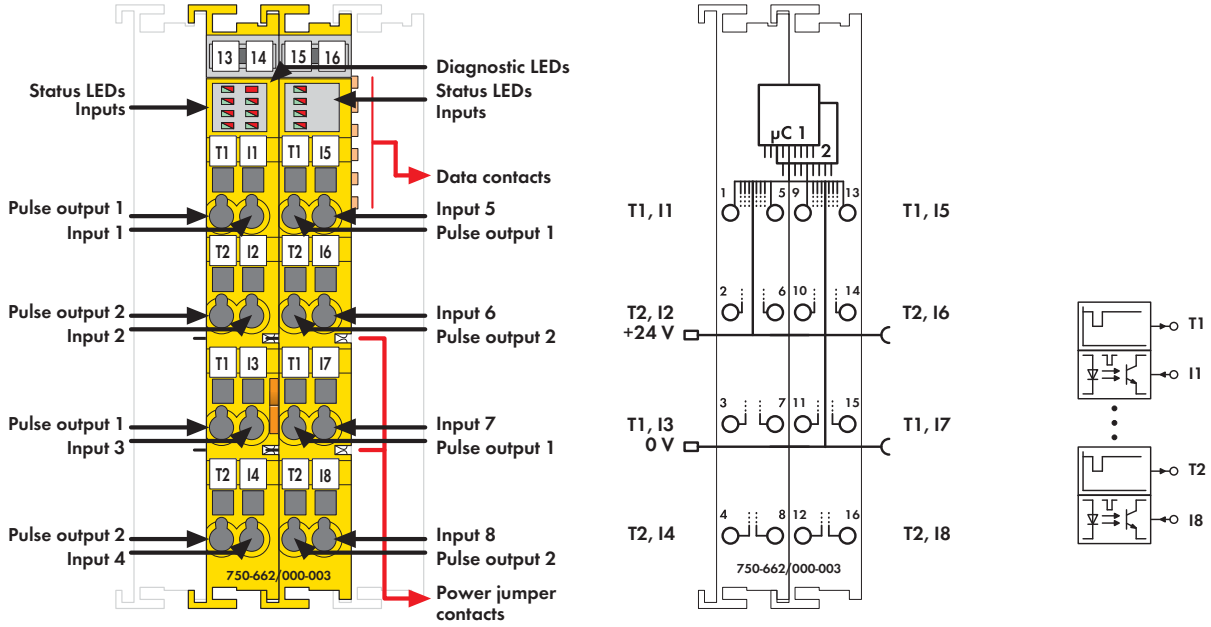


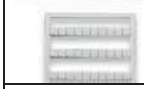
Fig. 750 Series
Delivered without miniature WSB markers

Both 750-662/000-003 and 753-662/000-003 PROFIsafe Input Modules connect potential-free, emergency-off switches with contacts, protection door switches, mode selectors, safety sensors and semiconductor outputs. The module provides 8 clock sensitive inputs (I1-I8) fed via 2 differently clocked outputs (T1-T2); clock outputs are short-circuit protected. Inputs are continually monitored for cross circuits and voltage supply from separate sources.
Additional safety relevant parameters (e.g., operating modes, switching off test pulses, discrepancy or filter times) can be configured via WAGO-I/O-CHECK. The configuration tool can be conveniently integrated into engineering systems supporting both CC2 and CC3 tool calling interfaces (TCI).
When exchanging modules, parameters are automatically downloaded into the control unit via PROFIsafe-compatible iPar – server, depending on settings.

The PROFIsafe address can be set using the DIP switch located on the side of the module, or via WAGO-I/O-CHECK.
The modules support both PROFIsafe V1 (PROFIBUS) and V2 (PROFIBUS, PROFINET) protocols. An optocoupler provides electrical isolation between the bus and the field side. Individual I/O modules can be arranged in any combination when configuring the fieldbus node.

To protect the module against surge voltages (over-voltage protection acc. to IEC 61000-4-5), 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 (available in German and English).

Description	Item No.	Pack. Unit
8FDI 24V PROFIsafe V2 iPar	**750-662/000-003**	1
8FDI 24V PROFIsafe V2 iPar (without connector)	**753-662/000-003**	1

Accessories		Item No.	Pack. Unit
	**753 Series connector**	**753-120**	25
	Coding elements	**753-150**	100
	**Miniature WSB Quick marking system**		
	plain	**248-501**	5
	with marking	see Section 11	

Standards and Approvals

Safety standards	IEC 61508, parts 1-7, Edition 2: 2010;
	EN ISO 13849-1: 2008 + AC: 2009;
	EN 62061
Conformity marking	CE
Korea Certification	
Marine applications	GL
cULus UL 508	
cULus 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

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.)	50 Hz
General specifications:	
Achievable safety classes	SIL 3; Cat. 4, 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)
Current consumption typ. (internal)	148 mA
Current consumption typ. (field side)	20 mA
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Strip lengths, 750/753 Series	8 ... 9 mm / 0.33 in
	9 ... 10 mm / 0.37 in
Width	24 mm
Weight	98 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