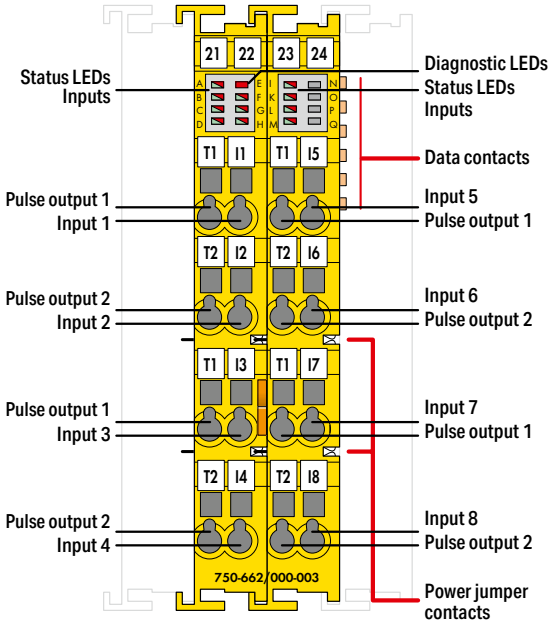
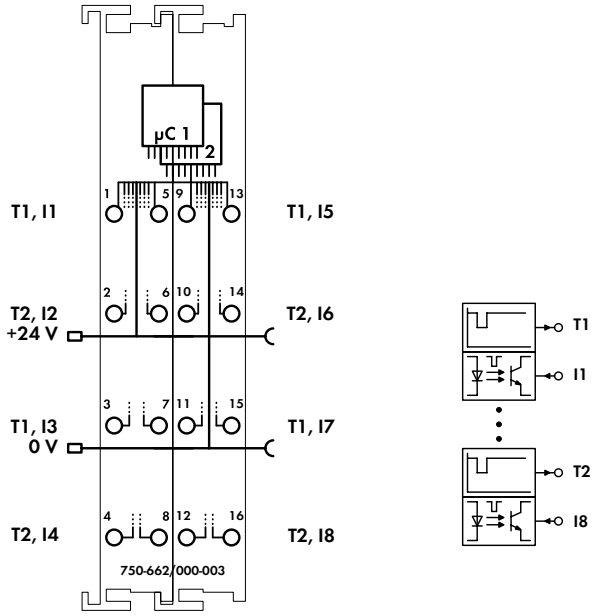
Fail-safe 8-channel digital input; 24 VDC; PROFIsafe V2.0 iPar





The PROFIsafe module 75x-662/000-003 can connect to potential-free emergency stop buttons with contacts, safety interlock switches, operating mode switches, safety sensors and semiconductor outputs.
The modules have 8 clock sensitive inputs (I1 … I8) that are fed by 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), a WAGO filter module or an external surge filter must be used for 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
Mini-WSB Quick Marking System;		
plain	**248-501**	50
Plug; Safety	**753-120**	25
Coding elements	**753-150**	100

Standards and Approvals	
Safety standards	IEC 61508-1 … -7; EN ISO 13849-1;
	EN 62061
Conformity marking	CE
Korea Certification	KC
Marine applications	DNV
ATEX Guideline 2014/34/EU	
TÜV 07 ATEX 554086 X	EN 60079-0, -15
	I M2 Ex d I Mb,
	II 3 G Ex nA IIC T4 Gc,
	II 3 D Ex tc IIIC T135°C Dc
EC EMC guideline 2014/30/EU	
EMC immunity of interference	EN 61000-6-2; EN 61131-2;
	EN 61326-3-1; DNV
EMC emission of interference	EN 61000-6-4; EN 61131-2; DNV
E175199 Ordinary Locations	UL 508
UL E198726 Hazardous Locations	UL 121201
	Class I, Div2 ABCD T4
IECEx TUN 09.0001 X	IEC 60079-0, -15
	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 per IEC 61131
Input current (typ.)	2.2 mA
Input frequency (max.)	50 Hz
Achievable safety classes	SIL 3; Category 4, PL e
Supply voltage (system)	5 VDC; via data contacts
Supply voltage (field)	24 VDC, SELV/PELV (-15 … +20 %); via
	power jumper contacts (power supply
	via blade contact; transmission via
	spring contact)
Power consumption (5 V system supply)	148 mA
Power consumption, field supply (module	
with no external load)	20 mA
Connection technology: inputs/outputs	CAGE CLAMP®
Conductor cross sections	0.08 … 2.5 mm² / 28 … 14 AWG
Strip length	8 … 9 mm / 0.33 inch (750 Series);
	9 … 10 mm / 0.37 inch (753 Series)
Dimensions W x H x D	24 x 100 x 67.8 mm
Weight	98 g