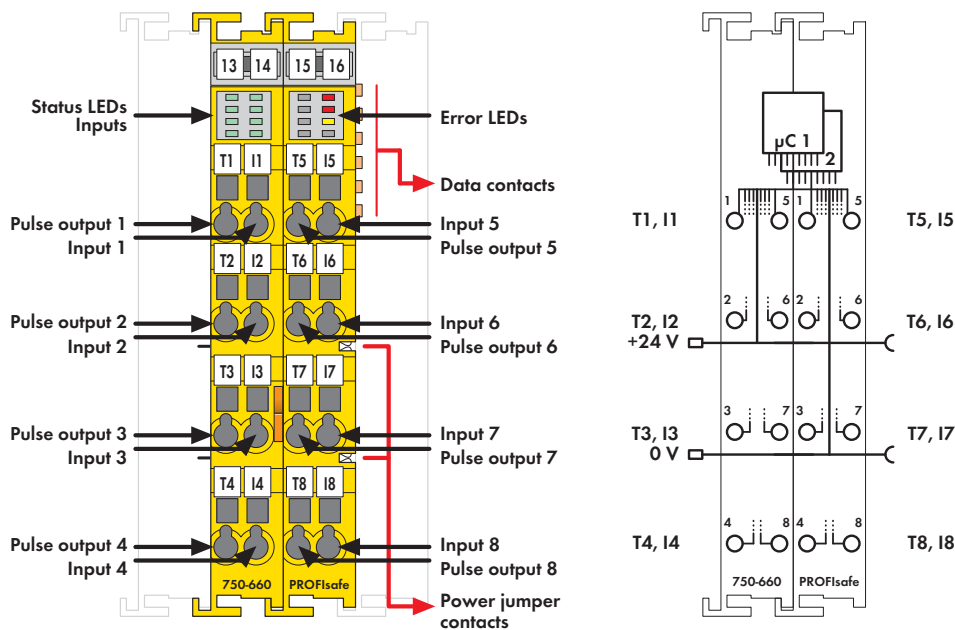


8-Channel Digital Input Module PROFI-safe V1.3



Delivery without Mini WSB marker

Emergency stop buttons, limit indicators, or other safe-contact sensors may be connected to the 750-660/000-001 PROFI-safe Input Module. The module has 8 pulse inputs (I1 ... I8) that are supplied by 8 different pulse outputs (T1 ... T8).

The pulse outputs are short circuit proof. The inputs are constantly monitored for short circuits and supply voltage from separate sources.

A green LED for each of the 8 input channels indicates the signal state, 2 red LEDs indicate internal or external errors.

The address switch at the side of the module is used to set the PROFI-safe address.

The fieldside and internal system are electrically isolated.

Any configuration of the input modules is possible when designing the fieldbus node. Grouping of module types is not necessary.

A fieldbus node comprised of PROFI-safe devices must be supplied by a filtered power supply (PELV/SELV power supply unit).

Reference the product manual for further information.

Description	Item no.	Pack. unit
8FDI 24V DC PROFI-safe V1.3	750-660/000-001	1
Accessories		
Miniature WSB quick marking system,		
 plain	248-501	5
with marking	see pages 256 ... 257	
Standards and Approvals		
Series 750		
Basic standard safety applications	IEC 61508, EN 954-1	
Conformity marking	CE	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
EN 60079-15	I M2 / II 3 GD Ex nA nL IIC T4	

Technical Data	
Inputs	I1 ... I8; pulse inputs
Achievable safety classes	8 x Cat. 2/SIL 2 or 4 x Cat. 4/SIL 3
Outputs	T1 ... T8: 8 pulse outputs, short circuit proof
Voltage via power jumper contacts	DC 24 V (-15 % ... +20 %)
Current via power jumper contacts (max.)	DC 10 A
Response times (min ... max)	$t_{on} (H>L) = 13 \text{ ms} \dots 71 \text{ ms}$ $t_{off} (H>L) = 13 \text{ ms} \dots 26 \text{ ms}$
	plus 2 x runtime internal bus
	plus 2 x runtime coupler - PLC
	plus runtime PLC
Proof test interval	10 years
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths	8 ... 9 mm / 0.33 in
Width	24 mm
Weight	97 g
EMC CE-Immunity to interference	acc. to EN 61000-6-2 (2001)
EMC CE-Emission of interference	acc. to EN 61000-6-3 (2001)