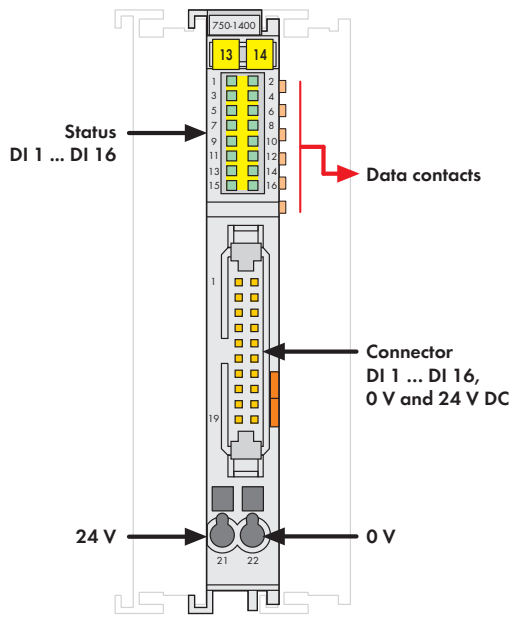
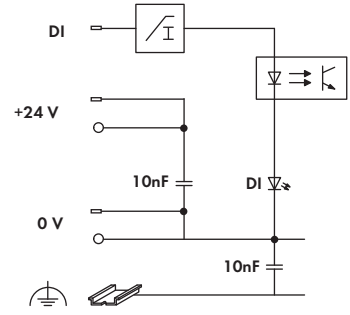
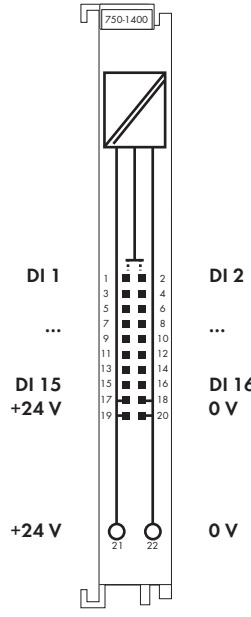


16-Channel Digital Input Module 24 V DC

Ribbon cable, high-side switching



Delivered without miniature WSB markers



The digital input module provides 16 channels at a width of just 12mm (0.47in).



It receives binary control signals from digital field devices (e.g., sensors, encoders, switches or proximity switches).

The module connects electronic modules via a 20-pole flat cable. The 24V power is fed to the electronic modules via two CAGE CLAMP® terminals.

Each input channel has a noise-rejection RC filter with 3.0ms time constant.

A green LED indicates the switched status of each channel.

An optocoupler provides electrical isolation between the bus and the field side.

Description	Item No.	Pack. Unit
16DI 24V DC 3.0ms, ribbon cable	750-1400	1
Accessories		
Miniature WSB Quick marking system		
 plain	248-501	5
with marking	see Section 11	
Cable and interface modules	see Section 11	
Approvals		
Conformity marking	CE	
Korea Certification		
Marine applications	ABS, BV, DNV, GL, KR, LR, NKK, PRS, RINA	
UL 508		
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	
Number of inputs	16
Current consumption (internal)	25 mA
Voltage supply	24 V DC (-25 % ... +30 %)
Signal voltage (0)	-3 V ... +5 V DC
Signal voltage (1)	15 V ... 30 V DC
Input filter	3.0 ms
Input current (typ.)	+0.6 mA (at -3 V ... +5 V DC) +2.2 mA ... +2.5 mA (at 15 V ... +32 V DC)
Isolation	500 V system/field
Wire connection	20-pin male connector / CAGE CLAMP®
Cross sections CAGE CLAMP®	0.08 mm² ... 2.5 mm² / AWG 28 ... 16
Strip lengths	8 ... 9 mm / 0.33 in
Dimensions (mm) W x H x L	12 x 73 x 100
Weight	42.6 g
EMC immunity of interference	acc. to EN 61000-6-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, marine applications