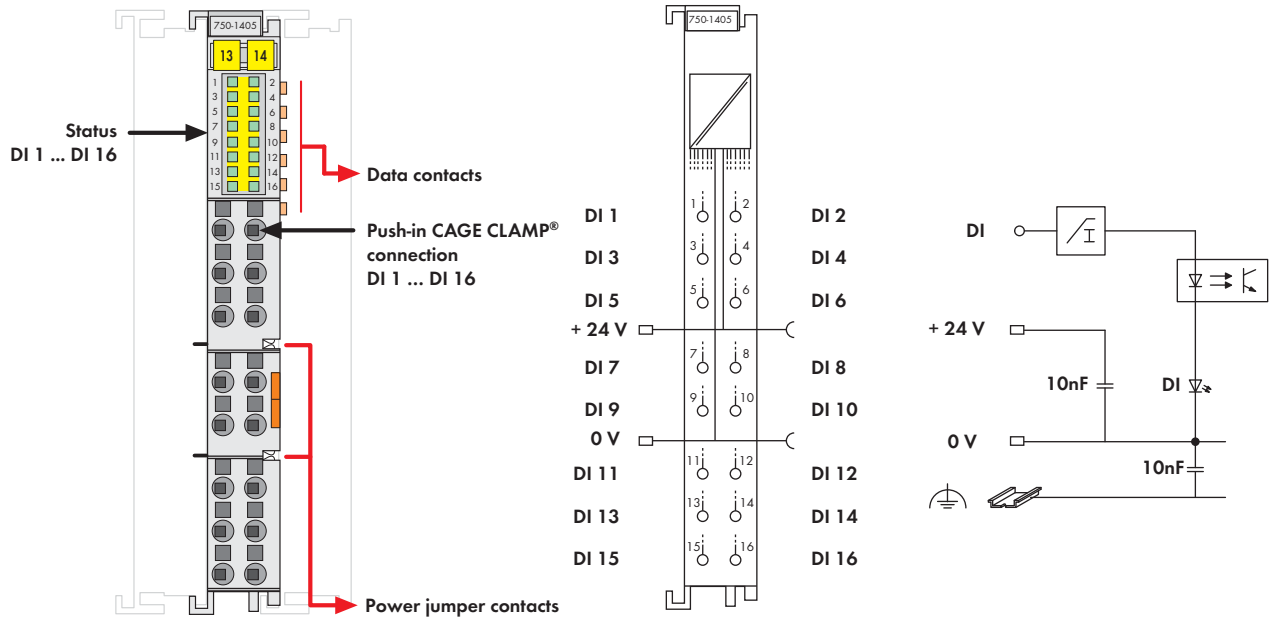


# 16-Channel Digital Input Module 24 V DC

High-side switching



Delivered without miniature WSB markers

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






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

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

The module has Push-in CAGE CLAMP® connections enabling solid conductors to be inserted directly.

Each input channel has a noise-rejection RC filter with 3.0ms or 0.2 ms time constant.

A green LED indicates the switched status of each channel.

Description	Item No.	Pack. Unit
16DI 24V DC 3.0ms	750-1405	1
16DI 24V DC 0.2ms	750-1406	1
<b>Accessories</b>		
<b>Miniature WSB Quick marking system</b>		
 plain	248-501	5
with marking	see Section 11	
<b>Operating tool, with partially insulated shaft, type 1, blade (2.5 x 0.4) mm</b>	210-719	50
<b>Approvals</b>		
Conformity marking	CE	
Korea Certification	 <sup>1)</sup>	
Marine applications	ABS <sup>1)</sup> , BV, DNV <sup>1)</sup> , GL, KR, LR <sup>1)</sup> , 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	
<sup>1)</sup> Does not apply to 750-1406		

Technical Data	
Number of inputs	16
Current consumption (internal)	25 mA
Voltage via power jumper contacts	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 (750-1405) 0.2 ms (750-1406)
Input current (typ.)	+0.6 mA (at -3 V ... +5 V DC) +2.1 mA ... +2.4 mA (at 15 V ... +32 V DC)
Isolation	500 V system/field
Wire connection	Push-in CAGE CLAMP®
Cross sections	solid: 0.08 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> / AWG 28 ... 16 fine-stranded: 0.25 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> / AWG 22 ... 16
Strip lengths	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	60 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