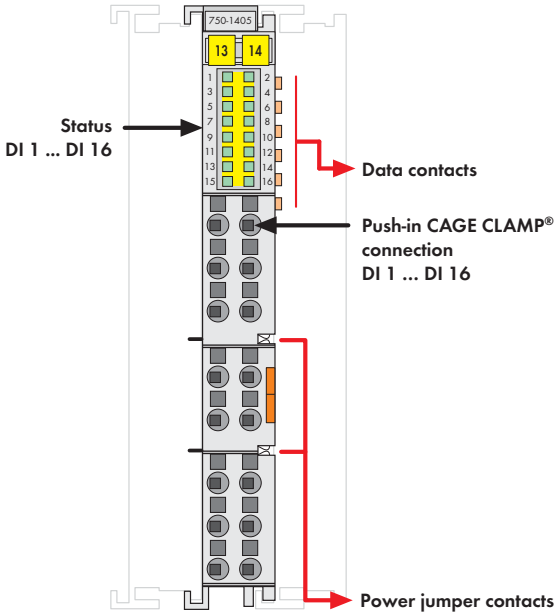
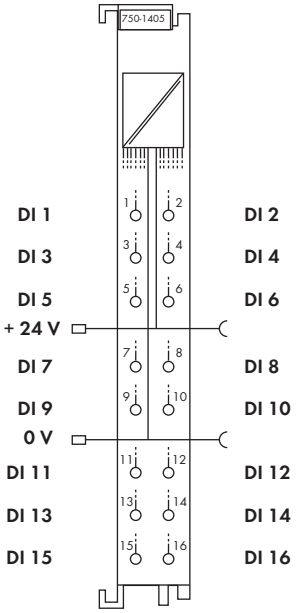
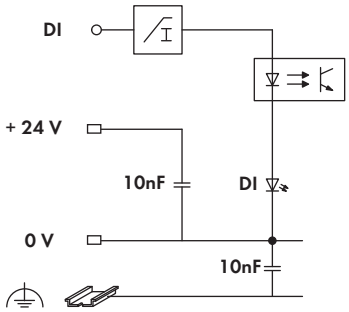
16-Channel Digital Input Module 24 V DC

High-side switching







Delivered without miniature WSB markers

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

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.

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

Description	Item No.	Pack. Unit
16DI 24V DC 3.0ms	**750-1405**	1
16DI 24V DC 0.2ms	**750-1406**	1

Accessories		Item No.	Pack. Unit
Miniature WSB Quick marking system			
	plain	**248-501**	5
	with marking	see Section 11	
Operating tool, with partially insulated shaft, type 1, blade (2.5 x 0.4) mm		**210-719**	50

Approvals

Conformity marking	CE
Korea Certification	[1]
Marine applications	ABS[1], BV, DNV[1], GL, KR, LR[1], 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

[1] 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 mm² ... 1.5 mm² / AWG 28 ... 16
	fine-stranded:
	0.25 mm² ... 1.5 mm² / 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