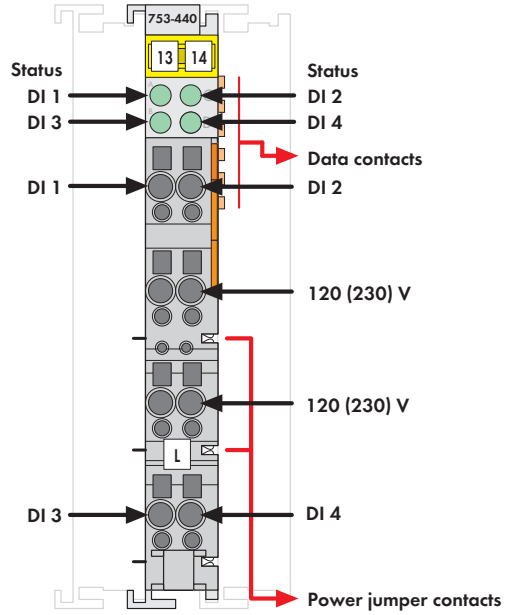
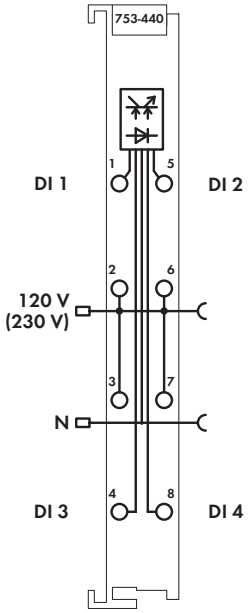
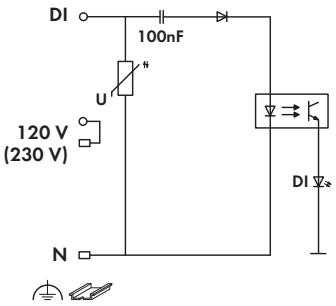
753-440

4-Channel Digital Input Module 120 (230) V AC

2-conductor connection; high-side switching







Delivered without miniature WSB markers

The digital input module receives control signal from the digital field devices (sensors, etc.).

The module is a 4-channel, 2-conductor device and four sensors may be directly connected to it.

Field and system levels are electrically isolated.

Notice:
An additional supply module must be added for operation with 120 (230) VAC!

Description	Item No.	Pack. Unit
4DI 120 (230)V AC 10ms (without connector)	**753-440**	1

Accessories		Item No.	Pack. Unit
	**753 Series Connectors**	**753-110**	25
	Coding elements	**753-150**	100
	Miniature WSB Quick marking system		
	plain	**248-501**	5
	with marking	see Section 11	

Approvals

Conformity marking	CE
Korea Certification	KC
cULus UL 508	
cULus 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	4
Current consumption (internal)	15 mA
Voltage via power jumper contacts	90 V ... 230 V AC (-15 % ... +10 %)
Signal voltage (0)	0 V ... 40 V AC
Signal voltage (1)	79 V ... 230 V AC (-15 % ... +10 %)
Input filter	10 ms
Overvoltage protection	AC 275 V varistor
Input current (typ.)	2.3 mA at 120 V; 4.7 mA at 230 V
Input frequency	f (nominal) ± 10 %;
	50 Hz ± 10 % at 230 V;
	60 Hz ± 10 % at 120 V
Isolation	1.5 kV eff. (field/system)*;
	* 2.5 kV rated surge voltage
Internal bit width	4 bits
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Strip lengths	9 ... 10 mm / 0.37 in
Width	12 mm
Weight	43.5 g
EMC immunity of interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-4