

2-Channel Up/Down Counter 24 V DC, 500 Hz

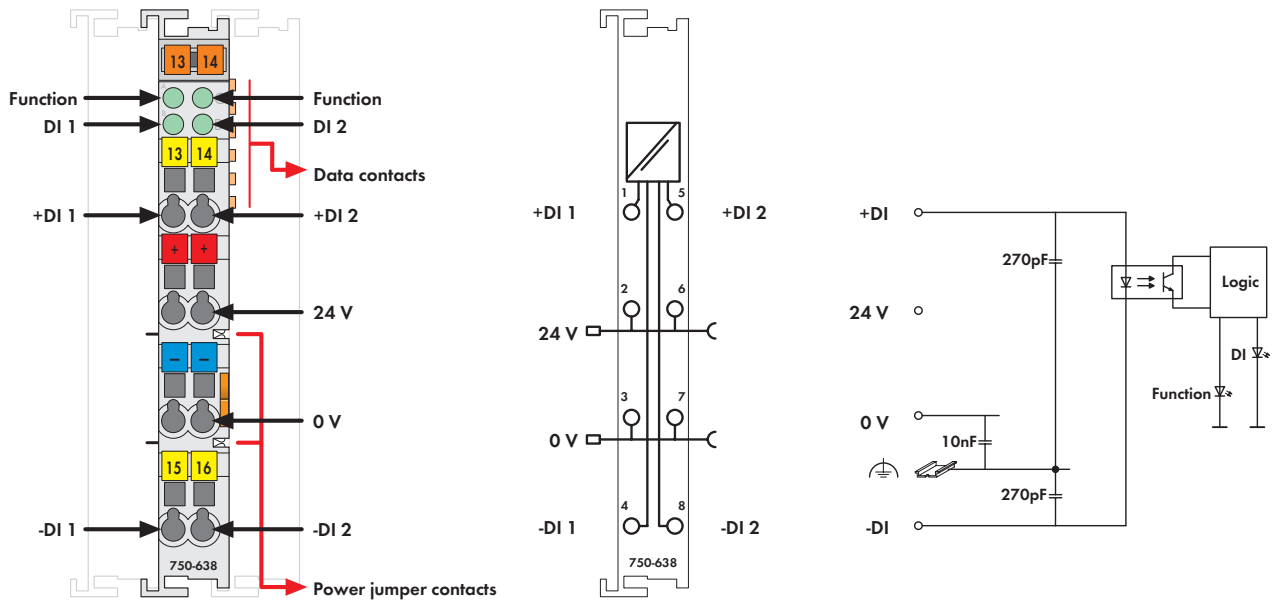






Fig. 750 Series/Technical data see page 24/Delivered without miniature WSB markers
750/753 Series marking see pages 10 ... 11 / 12 ... 13

The I/O module has two counters that count 24VDC binary pulses independently of one another. The data is then transmitted to the control via the fieldbus.

The counters can be set or reset with the control bytes. A counter lock-out is also possible.

The control bytes also determine the direction of counting.

Description	Item No.	Pack. Unit
2-Channel Up/Down Counter, 500 Hz	750-638	1
2-Channel Up/Down Counter, 500 Hz/T (Operating temperature -20 °C ... +60 °C)	750-638/025-000	
2-Channel Up / Down Counter, 500 Hz (without connector)	753-638	1
Accessories		
 753 Series Connectors	753-110	25
 Coding elements	753-150	100
Miniature WSB Quick marking system		
 plain	248-501	5
 with marking	see pages 352 ... 353	
Approvals		
Conformity marking	Also see "Approvals Overview" in Section 1	
UL 508	CE	
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	75x-638
IEC 60079-0, -15	BR-Ex nA II T4	750-638
EN 60079-0, -15	I M2 / II 3 GD Ex nA IIC T4	75x-638
EN 61241-0, -1		

Technical Data	
No. of counters	2
Current consumption typ. (internal)	10 mA
Voltage via power jumper contacts	24 V DC (-15 % ... +20 %)
Signal voltage (0)	-3 V ... +5 V DC (acc. to EN 61131 type 1)
Signal voltage (1)	15 V ... 30 V DC (acc. to EN 61131 type 1)
Common mode voltage (max.)	500 V DC
Minimum pulse width (0, 1)	1 ms
Input filter	0.2 ms
Sensor connection	differential
Max. switching frequency	500 Hz
Counter depth	16 bits
Isolation	500 V system/supply
Current consumption typ. (field side)	8 mA
Internal bit width	2 x 16 bits data 2 x 8 bits control/status (optional)
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Stripped lengths, 750/753 Series	8 ... 9 mm / 0.33 in 9 ... 10 mm / 0.37 in
Width	12 mm
Weight	58 g
EMC: CE - immunity to interference	acc. to EN 61000-6-2 (2005)
EMC: CE - emission of interference	acc. to EN 61000-6-4 (2007)