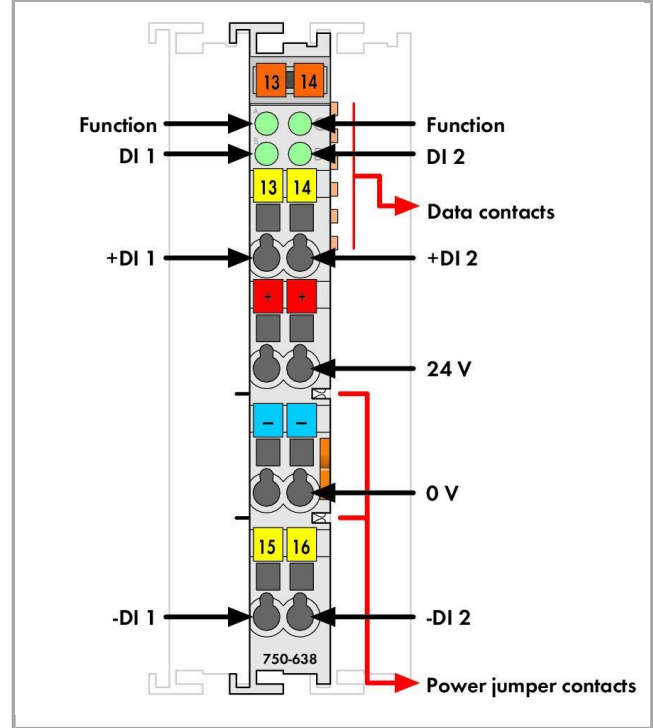
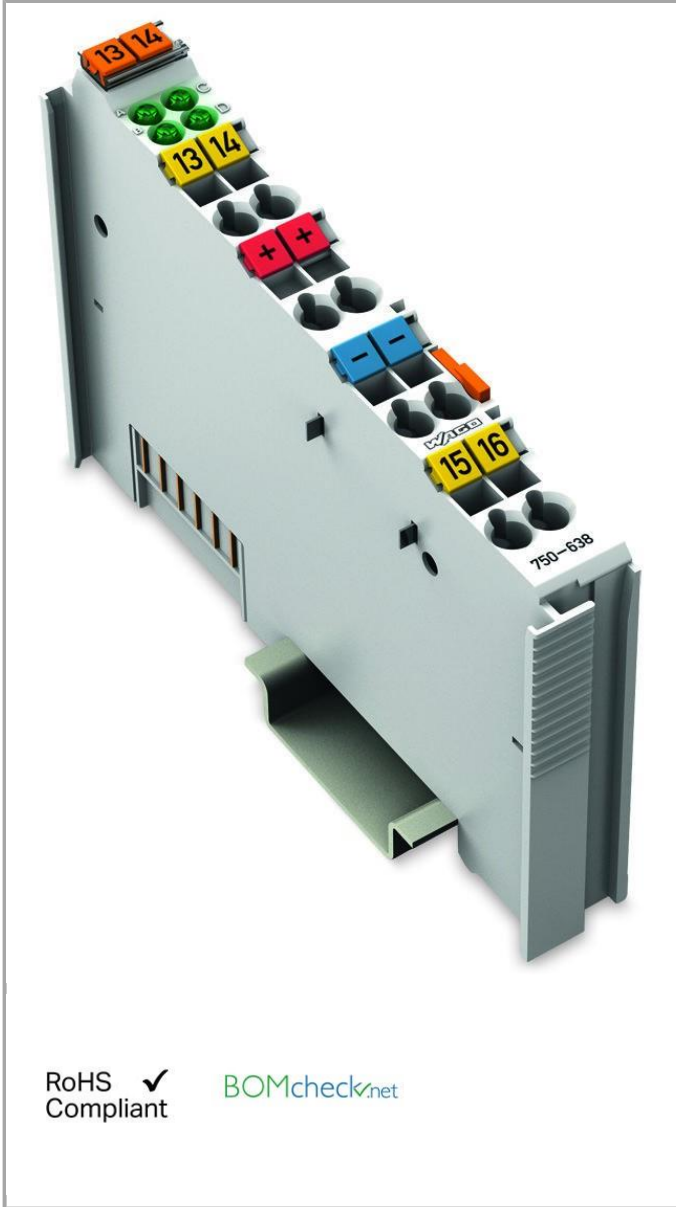


Data sheet | Item number: w750-638

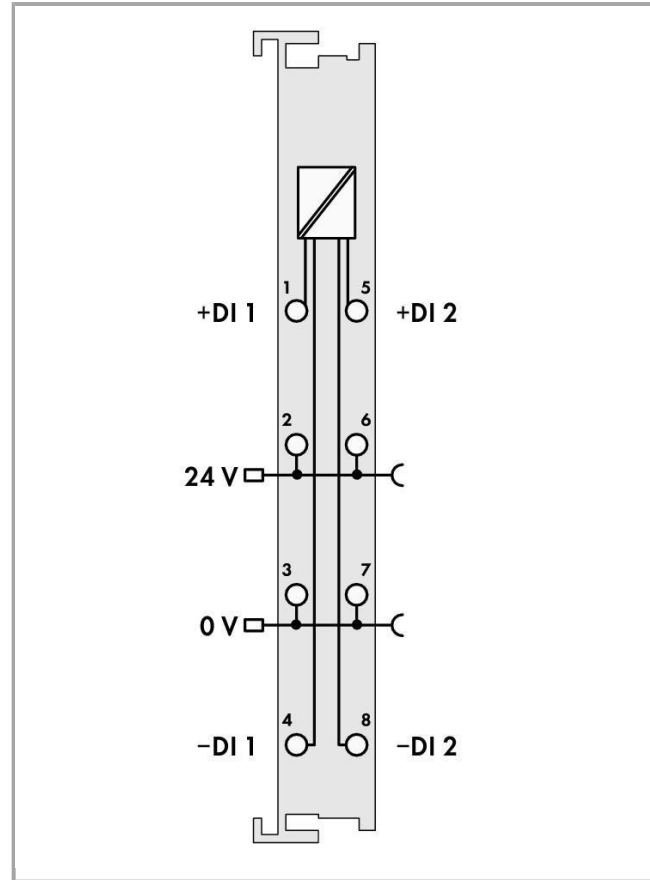
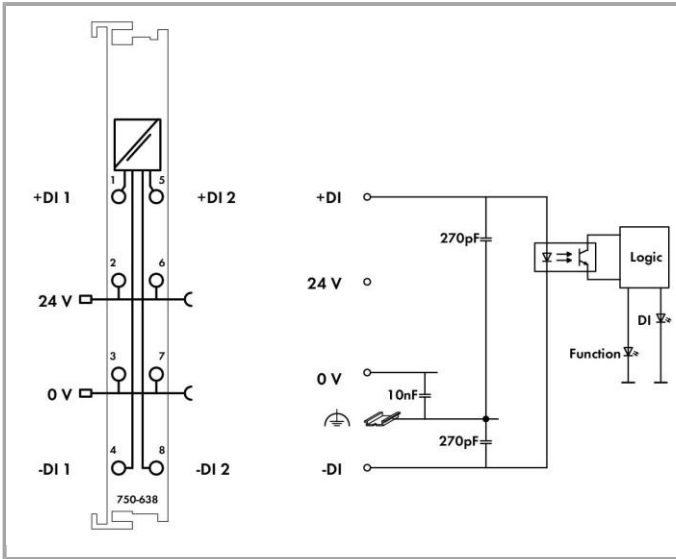
2 up/down counter; 16 bits; 500 Hz

<https://domat-int.com/en/downloads/data-sheets>



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### Item description

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.

### Data

#### Technical Data

No. of counters	2
Counter depth	16 Bit
Input filter	0.2 ms
Switching frequency max.	500 Hz
Signal characteristic	Differential
Voltage range for signal (0)	-3 ... +5 V DC (per EN 61131 Type 1)
Voltage range for signal (1)	15 ... 30 V DC (per EN 61131 Type 1)
Switching frequency max.	500 Hz
Minimum pulse width (0, 1)	1 ms
Common mode voltage (max.)	500 V

Bit width	2 × 16-bit data; 2 × 8-bit control/status
System supply voltage	DC 5 V; via data contacts
Current consumption, system supply (5 V)	10 mA
Field supply voltage	DC 24 V (-15 ... +20 %); connection via blade contacts, communication via spring contacts)
Current consumption, field supply (module with no external load)	8 mA
Isolation	500 V system/field
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2

### Connection data

Connection technology: In-/Outputs	8 × CAGE CLAMP®
Connection type (1)	Inputs/Outputs
Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch

### Geometrical Data

Width	12 mm / 0.472 inch
Height	69.8 mm / 2.748 inch
Height from upper-edge of DIN-35 rail	62.6 mm / 2.465 inch
Depth	100 mm / 3.937 inch

### Mechanical data

Type of mounting	DIN-35 rail
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### Material Data

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Fire load	1.23 MJ
Weight	48 g
Conformity marking	CE

### Environmental Requirements

Surrounding air (operating) temperature	0 ... 55 °C
Surrounding air (storage) temperature	-40 ... 85 °C
Protection class	IP20
Degree of pollution (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying) or vertical

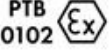


Relative air humidity (no condensation)	95 %
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	acc. to EN 61000-6-2
EMC emission of interference	acc. to EN 61000-6-4
Exposure to pollutants	Per IEC 60068-2-42 and IEC 60068-2-43
Permissible H <sub>2</sub> S contaminant concentration at a relative humidity 75 %	10 ppm
Permissible SO <sub>2</sub> contaminant concentration at a relative humidity 75 %	25 ppm

### Commercial data

Product Group	15 (Remote I/O)
Country of origin	DE
GTIN	4045454569105

### Approvals / Certificates

#### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	ATEX TUEV Nord Cert GmbH	EN 60079-0	TÜV 07 ATEX 554086 X en.
	INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	BREx_TÜV 12.1297 X
	TUEV Nord TUEV Nord Cert GmbH	IEC 60079-0	IECEx TUN 09.0001 X
	UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	ANSI/ISA 12.12.01	E198726 Sec.1

#### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Netherlands B.V. (ORDINARY LOCATIONS)	UL 508	E175199 Sec.1



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Data sheet | Item number: w750-638

<https://www.domat-int.com/en/data-sheets>



KC

National Radio Research Agency

MSIP-

Article 58-2, Clause 3

REM-W43-

CTM750

Subject to changes.

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Domat control system

Do you have any questions about our products?

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WAGO Kontakttechnik GmbH & Co. KG (manufacturer)

We are always happy to take your call at +420 461 100 666