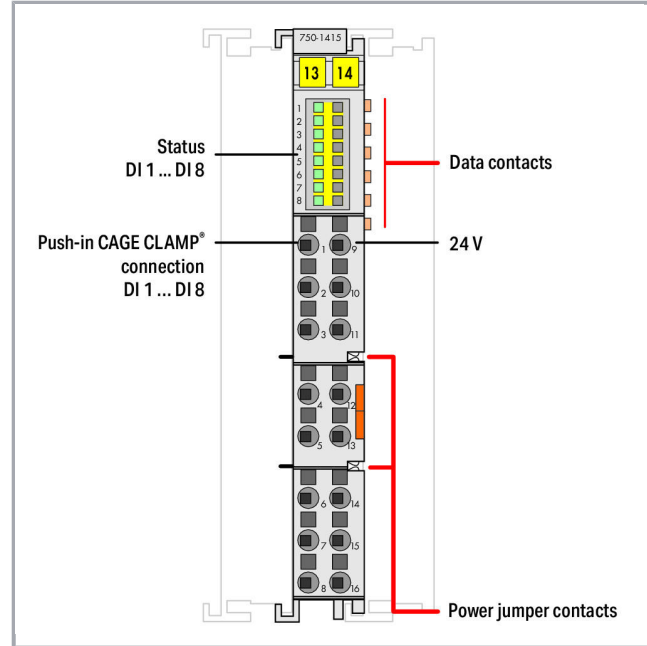
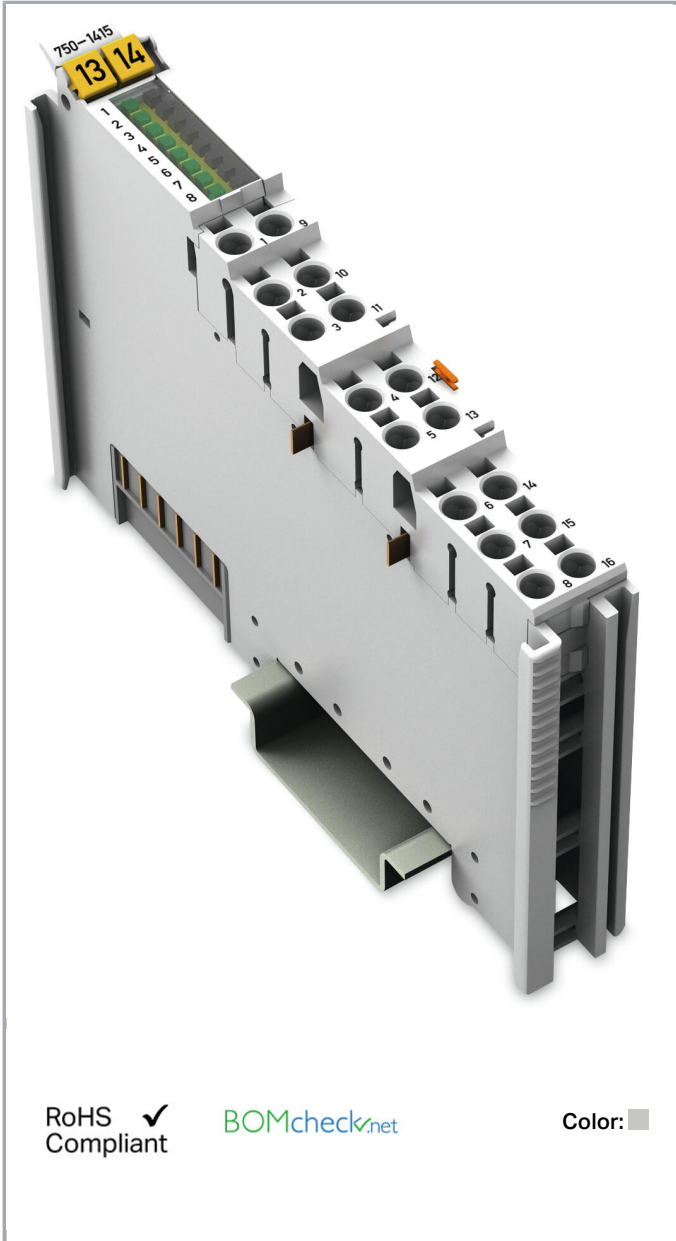


**Data sheet | Item number: 750-1415**

8-channel digital input; 24 VDC; 3 ms; 2-conductor connection; light gray

[www.wago.com/750-1415](http://www.wago.com/750-1415)



RoHS Compliant

BOMcheck.net

Color:

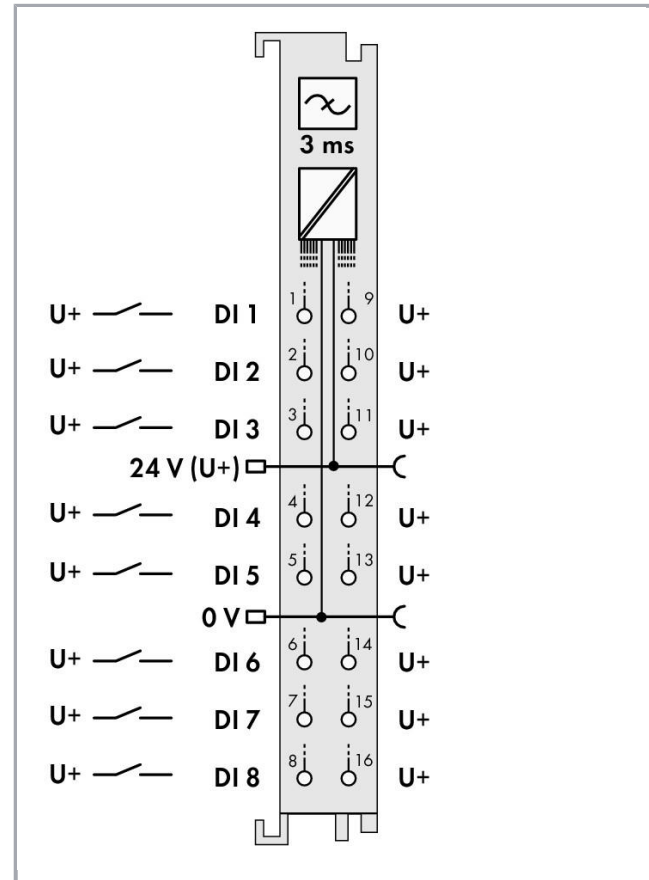
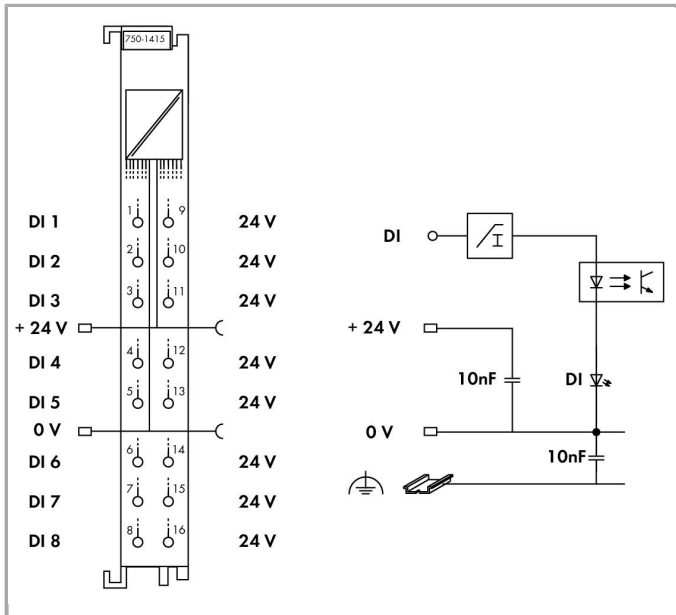
Subject to changes. Please also observe the further product documentation!

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## Data sheet | Item number: 750-1415

www.wago.com/750-1415



## Item description

This digital input module is a 2-wire device featuring eight channels in a width of just 12 mm (0.47 inch).

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

The module features Push-in CAGE CLAMP® connections enabling solid conductors to be connected by simply pushing them in.

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

A green LED indicates the signal state of each channel.

Field and system levels are electrically isolated.

An operating tool with a 2.5 mm blade (210-719) is required to open the Push-in CAGE CLAMP® connections.

## Data

### Technical Data

Number of digital inputs	8
Total number of channels (module)	8

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**Data sheet | Item number: 750-1415**[www.wago.com/750-1415](http://www.wago.com/750-1415)

Signal type	Voltage
Voltage signal type	DC 24 V
Supply voltage (sensor)	DC 24 V
Sensor connection	8 x (2-wire)
Input characteristic	high-side switching
Input characteristic	Type 3
Input filter (digital)	3 ms
Input current per channel for signal (0) (typ.)	1.6 mA
Input current per channel for signal (1) (min.)	4.3 mA
Input current per channel for signal (1) max.	4.6 mA
Voltage range for signal (0)	-3 ... +5 VDC
Voltage range for signal (1)	11 ... 30 VDC
Input data width (internal) (max.)	8 Bit
Supply voltage (system)	DC 5 V; via data contacts
Power consumption (5 V system supply)	6 mA
Supply voltage (field)	DC 24 V (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact)
Power consumption, field supply (module with no external load)	2 mA
Isolation	500 V system/field
Indicators	LED (1-8) green: Status DI 1 ... DI 8
Number of incoming power jumper contacts	2
Number of outgoing power jumper contacts	2
Current carrying capacity (power jumper contacts)	10 A

**Connection data**

Connection technology: inputs/outputs	16 x Push-in CAGE CLAMP®
Connection type (1)	Inputs/Outputs
Solid conductor	0.08 ... 1.5 mm <sup>2</sup> / 28 ... 16 AWG
Fine-stranded conductor	0.25 ... 1.5 mm <sup>2</sup> / 22 ... 16 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch

**Geometrical Data**

Width	12 mm / 0.472 inch
Height	100 mm / 3.937 inch
Depth	69 mm / 2.717 inch
Depth from upper edge of DIN-rail	61.8 mm / 2.433 inch

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**Data sheet | Item number: 750-1415**[www.wago.com/750-1415](http://www.wago.com/750-1415)**Mechanical data**

Mounting type	DIN-35 rail
---------------	-------------

**Material Data**

Color	light gray
Housing material	Polycarbonate, polyamide 6.6
Fire load	0.977 MJ
Weight	45.3 g
Conformity marking	CE

**Environmental Requirements**

Surrounding air temperature (operation)	0 ... 55 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Protection type	IP20
Pollution degree (5)	2 per IEC 61131-2
Operating altitude	0 ... 2000 m
Mounting position	horizontal (standing/lying); vertical
Relative humidity (without condensation)	95 %
Vibration resistance	4g per IEC 60068-2-6
Shock resistance	15g per IEC 60068-2-27
EMC immunity to interference	per EN 61000-6-2, marine applications
EMC emission of interference	per EN 61000-6-3, marine applications
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)
Packaging type	BOX
Country of origin	DE
GTIN	4050821085621
Customs tariff number	85389099990

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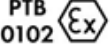


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## Data sheet | Item number: 750-1415


[www.wago.com/750-1415](http://www.wago.com/750-1415)

## Approvals / Certificates




## Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ATEX</b> TUEV Nord Cert GmbH	EN 60079-0	TÜV 07 ATEX 554086 X en.
	<b>TUEV Nord</b> TUEV Nord Cert GmbH	IEC 60079-0	IECEX TUN 09.0001 X
	<b>UL</b> Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

## Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>KC</b> National Radio Research Agency	Article 58-2, Clause 3	MSIP- REM-W43- DIM750

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	19- HG1821926
	<b>BV</b> Bureau Veritas S.A.	-	30389/B0 BV
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	<b>KR</b>	-	KR

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Data sheet | Item number: 750-1415

[www.wago.com/750-1415](http://www.wago.com/750-1415)

Korean Register of Shipping

HMB05880-  
AC001LR  
Lloyds Register

-

02/20026 (E6)

NK  
Nippon Kaiji Kyokai

-

TA17255M

PRS  
Polski Rejestr Statków


-

TE/2236  
/880590/19RINA  
RINA Germany GmbH

-

ELE066419XG

**UL-Approvals**

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

**Product family****750/753 Series – I/O System**[Show all products from the family](#)

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