

## Data Sheet | Item Number: 750-433

4-channel digital input; 24 VDC; 0.2 ms; 2-conductor connection

<https://www.wago.com/750-433>



This digital input module receives control signals from field devices (e.g., sensors).

The module has four input channels and four 24 V outputs, providing a direct connection to four 2-wire sensors.

Each input module has a noise-rejection filter.

Field and system levels are electrically isolated.

### Technical data

Number of digital inputs	4
Total number of channels (module)	4
Signal type	Digital
Signal type (voltage)	24 VDC
Sensor connection	4 x (2-wire)
Input characteristic	high-side switching
Input filter (digital)	0.2 ms
Input current per channel for signal (1) typ.	4.5 mA
Voltage range for signal (0)	-3 ... +5 VDC
Voltage range for signal (1)	15 ... 30 VDC
Input data width (internal) max.	4 bits
Supply voltage (system)	5 VDC; via data contacts
Current consumption (5 V system supply)	5.5 mA
Supply voltage (field)	24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission (supply voltage field side only) via spring contact)
Isolation	500 V system/field
Indicators	LED (A-D) green: Status DI 1 ... DI 4
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		Connection type 1	
Connection technology: inputs/outputs	8 x CAGE CLAMP® (inputs)	Connection type 1	Input
Connection type 1	Input	Solid conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG
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
Fine-stranded conductor	0.08 ... 2.5 mm <sup>2</sup> / 28 ... 14 AWG	Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches		

### Physical data

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

### Mechanical data

Mounting type	DIN-35 rail
Pluggable connector	fixed

### Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Fire load	1.191 MJ
Weight	48 g
Conformity marking	CE

### Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
Ambient temperature (storage)	-40 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
Mounting position	Horizontal left, horizontal right, horizontal up, horizontal down, vertical top and vertical bottom
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 (I/O System)
eCl@ss 10.0	27-24-26-04
eCl@ss 9.0	27-24-26-04
ETIM 9.0	EC001599
ETIM 8.0	EC001599
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
Customs tariff number	85389099990

### Environmental Product Compliance

CAS-No.	1303-86-2 1317-36-8 7439-92-1
REACH Candidate List Substance	Diboron trioxide Lead Lead monoxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	8b674606-7046-400e-a33b-7c735656e76b
SCIP notification number (Belgium)	9171c74c-ef63-484c-adce-deaa3dd8190a
SCIP notification number (Bulgaria)	232e61ce-7d82-4440-8e6e-654d75e48a98
SCIP notification number (Czech Republic)	de2c5631-4582-4a24-8e93-4b39d8c4a9e8
SCIP notification number (Denmark)	548a70c6-5e8f-44bf-8dec-f0afd38fb624

## Environmental Product Compliance

SCIP notification number (Finland)	95ff4fd5-fd18-4c54-a93b-d5bac128d801
SCIP notification number (France)	f734853d-48a1-49e2-bafd-41dcb49851e8
SCIP notification number (Germany)	5cd6651b-260f-4038-b1e2-4c059a1d9f03
SCIP notification number (Hungary)	0571e2f3-1a7d-4b83-8813-97c3481b9e76
SCIP notification number (Italy)	253bf512-4d73-4ae7-bf9d-573ff1ddc4a5
SCIP notification number (Netherlands)	a9599f17-e2f5-402e-91b2-199b96fb8fb8
SCIP notification number (Poland)	8854d8ac-affd-4106-9bc0-74ad648b66fa
SCIP notification number (Romania)	9564eb21-2434-4b10-8c7c-1364658a8ac3
SCIP notification number (Sweden)	328c7d42-54f3-4041-8087-4de110e70538