



This digital input module receives control signals from field devices (e.g., 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 | Voltage |
| Signal type (voltage) | 24 VDC |
| Supply voltage (sensor) | 24 VDC |
| Sensor connection | 2 x (2-wire, 3-wire); A suitable field side connection module (e.g., 750-614) must also be used to connect other sensors. |
| Input characteristic | high-side switching |
| Input filter (digital) | 3 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) | 7.5 mA |
| Supply voltage (field) | 24 VDC (-25 ... +30 %); via power jumper contacts (power supply via blade contact; transmission via spring contact) |
| Isolation | 500 V system/field |
| Indicators | LED (A-D) green: Status DI 1 ... DI 4 |

Technical data

| | |
|---|------|
| 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 | 8 x CAGE CLAMP [®] |
| Connection type 1 | Inputs/outputs |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 14 AWG |
| 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 | 1.233 MJ |
| Weight | 45.5 g |
| Conformity marking | CE |

Environmental requirements

| | |
|--|---------------------------------------|
| Ambient temperature (operation) | 0 ... +55 °C |
| Surrounding air temperature (storage) | -25 ... +85 °C |
| Protection type | IP20 |
| Pollution degree (5) | 2 per IEC 61131-2 |
| Operating altitude | 0 ... 2000 m / 0 ... 6562 ft |
| 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 61000-6-4, marine applications |
| Exposure to pollutants | per IEC 60068-2-42 and IEC 60068-2-43 |
| Permissible H ₂ S contaminant concentration at a relative humidity 75 % | 10 ppm |
| Permissible SO ₂ contaminant concentration at a relative humidity 75 % | 25 ppm |

Commercial data

| | |
|-------------------------------------|-----------------|
| Product Group | 15 (Remote I/O) |
| eCl@ss 10.0 | 27-24-26-04 |
| eCl@ss 9.0 | 27-24-26-04 |
| ETIM 8.0 | EC001599 |
| ETIM 7.0 | EC001599 |
| PU (SPU) | 1 Stück |
| Packaging type | Box |
| Country of origin VKOrg Germany | DE |
| GTIN | 4045454392598 |
| Customs tariff number VKOrg Germany | 85389099990 |

Approvals and certificates

Ex-Approvals



| Approval | Standard | Certificate name |
|--|----------------|--|
| ATEX TUEV Nord Cert GmbH | EN 60079-0 | |
| CCCEX CQST/CNEX | CNCA-C23-01 | 2020312310000215 (Ex nA IIC T4 Gc) |
| EAC Brjansker Zertifizierungsstelle | TP TC 012/2011 | EAC RU C-DE.AM02. B.00163/19 (2Ex nA IIC T4 Gc X) |
| IECEX TUEV Nord Cert GmbH | IEC 60079-0 | IECEX_TUN_14.0035_X (Ex ec IIC T4 Gc) |
| INMETRO TUV Rheinland do Brasil Ltda. | IEC 60079-0 | BR-Ex_TUV 12.1297 X |
| UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201 | E198726 Sec.1 |

Country specific Approvals



| Approval | Standard | Certificate name |
|--|------------------------|---------------------------------|
| EAC Brjansker Zertifizierungsstelle | TP TC 020/2011 | EAC RU C-DE.AM02. B.00087/19 |
| KC National Radio Research Agency | Article 58-2, Clause 3 | MSIP-REM-W43-DIM750 |

Ship Approvals



| Approval | Standard | Certificate name |
|---|-----------------------|-------------------|
| ABS American Bureau of Shipping | - | 22-2219060 |
| BSH Bundesamt fuer Seeschifffahrt und Hydrographie | - | 1104 |
| BV Bureau Veritas S.A. | - | 13453/E0 BV |
| DNV DNV Germany GmbH | DNV-CG-0339, Aug.2021 | TAA0000194 |
| KR Korean Register of Shipping | - | KR HMB05880-AC001 |
| LR Lloyds Register EMEA | - | LR22180952TA |
| PRS Polski Rejestr Statków | - | TE/2236/880590/19 |

Ship Approvals

| Approval | Standard | Certificate name |
|---------------------------|----------|------------------|
| RINA RINA Germany GmbH | - | ELE343521XG001 |

UL-Approvals



| Approval | Standard | Certificate name |
|--|----------|------------------|
| UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | UL 508 | E175199 Sec.1 |

Downloads

Environmental Product Compliance

| Compliance Search |
|--|
| Environmental Product Compliance 750-402 ↓ |

Documentation

| Manual | | | |
|---|-----------------------|-------------------|-------------------|
| 4-channel, 24VDC, 3.0ms | V 1.3.0 | pdf 1966.09 KB | ↓ |
| System Manual WAGO I/O System 750 / 753 | V 3.1.0 11.05.2022 | pdf 8495.90 KB | ↓ |
| System Manual Series 750/753 | | | ↓ |

| System Description | | | |
|---|---------|-------------------|-------------------|
| 750/753 Series I/O-System – General Product Information | | pdf 953.35 KB | ↓ |
| Overview on WAGO-I/O-SYSTEM 750 approvals | | pdf 770.48 KB | ↓ |
| Use in Hazardous Environments | V 1.0.0 | pdf 1007.06 KB | ↓ |

| Additional Information | | | |
|--|---------|------------------|-------------------|
| Disposal; Electrical and electronic equipment, Packaging | V 1.0.0 | pdf 259.56 KB | ↓ |

| Bid Text | | | |
|-------------------------|------------|-----------------|-------------------|
| 750-402 | 19.02.2019 | xml 3.85 KB | ↓ |
| 750-402 | 12.07.2017 | doc 25.00 KB | ↓ |
| ausschreiben.de 750-402 | | | ↓ |

CAD/CAE-Data

| CAD data |
|--|
| 2D/3D Models 750-402 ↓ |

| CAE data |
|---|
| EPLAN Data Portal 750-402 ↓ |
| WSCAD Universe 750-402 ↓ |
| ZUKEN Portal 750-402 ↓ |



Device Files

| Device Driver | | | |
|--|-----------------------|-------------------|---|
| WAGO USB Service Kabel Treiber / Serie 750 und 857 | 6.5.3.0 10.09.2014 | zip 4721.96 KB |  |

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

Current addresses can be found at: www.wago.com