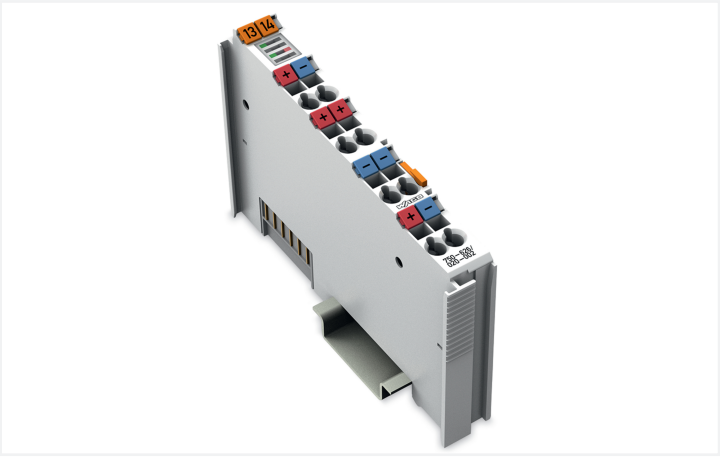
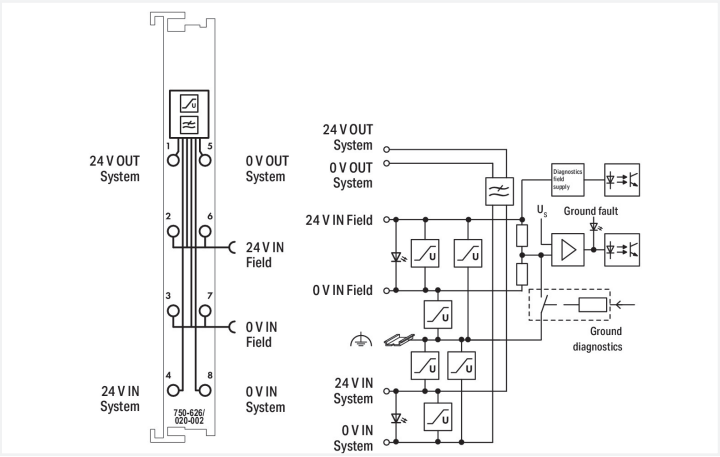
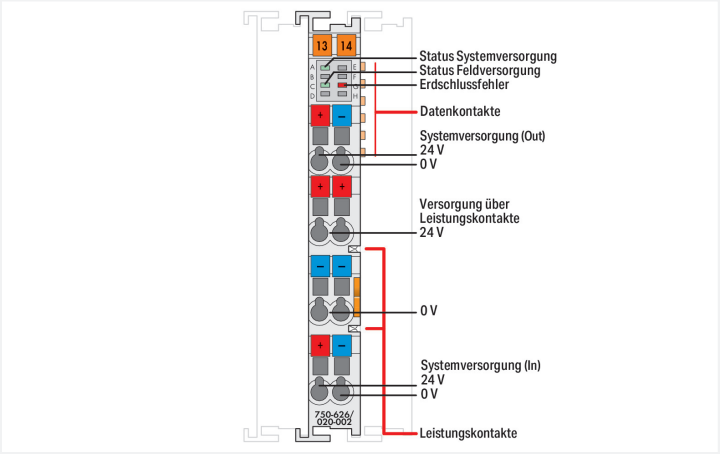
# Data Sheet | Item Number: 750-626/020-002

Supply Filter; 24 VDC; Higher isolation; Ground Fault Diagnostics

https://www.wago.com/750-626/020-002






The WAGO I/O System 750 can also be used in marine applications and onshore/offshore installations (e.g., platforms, loading facilities). This is possible via certification under the standards of leading agencies such as Germanischer Lloyd and Lloyd's Register. This filter module ensures proper (certified) system operation. The module protects against high-energy disturbances on DC supply lines due to switching overvoltages caused by inductive loads. It contains a filter for the system supply and transient protection for both system and field supply. It is streamlined for use in systems with insulation monitoring and also offers the possibility of a ground fault test.

Indicators:
- LED (green): Power supply is available
- LED (red): Ground fault

Ground fault diagnostics (response values):

- Pre-alarm 50 kΩ (±15 %)
- Main alarm 25 kΩ (±15 %)
- Hysteresis (typ.) 25 … 30 %
- Response time ≤ 5 s (typ. 2.5 s)
- Internal resistance DC (test circuit) >10 MΩ (test inactive), >90 kΩ (test active)
- Test current ≤180 µA (RF=0 Ω)
- Permissible system leakage capacitance ≤ 2 µF

## Technical data

| | |
|---|---|
| Signal type | Voltage |
| Signal type (voltage) | 24 VDC |
| Supply voltage (system) | 24 VDC (-25 … +30 %) |
| Supply voltage (field) | 24 VDC, SELV (-25 … +30 %); via power jumper contacts (power supply via CAGE CLAMP® connection; transmission (field-side supply voltage only) via spring contact |
| Current consumption, field supply (module with no external load) | 16 mA |
| Current consumption (system supply) | 29 mA |
| Current carrying capacity (power jumper contacts) | 10 A |
| Number of outgoing power jumper contacts | 2 |
| Isolation | 300 VDC (limited by a transient protection device) system/field |
| Use | Marine-certified operation in conjunction with 750 Series Couplers and Controllers |
| Data width | 8-bit input; 8-bit output |
| Indicators | LED (A, C) green: system power supply status, field power supply status; LED (G) red: ground fault |

## Connection Data

| | |
|---|---|
| Connectable conductor materials | Copper |
| Connection type | System/field supply |
| Solid conductor | 0.08 … 2.5 mm² / 28 … 14 AWG |
| Fine-stranded conductor | 0.08 … 2.5 mm² / 28 … 14 AWG |
| Strip length | 8 … 9 mm / 0.31 … 0.35 inches |
| Connection technology: field supply | 4 x CAGE CLAMP® |
| Connection technology: system supply | 4 x CAGE CLAMP® |

## 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

| | |
|---|---|
| Housing material | Polycarbonate; polyamide 6.6 |
| Fire load | 0.876 MJ |
| Weight | 52.1 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 top, horizontal bottom, vertical top and vertical bottom |
| Relative humidity (without condensation) | 95 % |
| 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 |


Continued on next page

## Environmental requirements

| | |
|---|---|
| Exposure to pollutants | per IEC 60068-2-42 and IEC 60068-2-43 |

## Commercial data

| | |
|---|---|
| PU (SPU) | 1 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4055143826846 |
| Customs tariff number | 85389091890 |

## Product Classification

| | |
|---|---|
| UNSPSC | 39121610 |
| eCl@ss 10.0 | 27-24-26-10 |
| eCl@ss 9.0 | 27-24-26-10 |
| ETIM 9.0 | EC001600 |
| ETIM 10.0 | EC001600 |
| ECCN | NO US CLASSIFICATION |

## Environmental Product Compliance

| | |
|---|---|
| CAS-No. | 1303-86-2<br>1317-36-8<br>7439-92-1 |
| REACH Candidate List Substance | Diboron trioxide<br>Lead<br>Lead monoxide |
| RoHS Compliance Status | Compliant,With Exemption |
| RoHS Exemption | 6(c)<br>7(a)<br>7(c)-I<br>7(c)-II |
| SCIP notification number (Austria) | 54a3d8d3-9494-455a-bba7-faaec79b5a2f |
| SCIP notification number (Belgium) | 743be9a2-04b9-4a48-9244-a2f8d345f63a |
| SCIP notification number (Bulgaria) | 8313d955-010c-4d0a-b1ab-f4818563fc83 |
| SCIP notification number (Czech Republic) | 09d65030-2629-46cb-bd34-8f1de9a26979 |
| SCIP notification number (Denmark) | 4302104e-4534-48f1-ab12-b76f43e0ea81 |
| SCIP notification number (Finland) | 4b2808e6-0018-4f25-8c22-ce9b38aae248 |
| SCIP notification number (France) | 7cdf5548-264c-45ab-b113-10cfdab6fb24 |
| SCIP notification number (Germany) | 406bab4d-3b3c-4f95-ba03-3918545eb6ed |
| SCIP notification number (Hungary) | a64b7d78-2924-4971-a1d7-04a4643c0be3 |
| SCIP notification number (Italy) | acd145cd-50e3-487a-9edc-221251056d9e |
| SCIP notification number (Netherlands) | 5f268786-557a-4dc8-9bf4-1d32dc89db80 |
| SCIP notification number (Poland) | 4cd22c9d-da5a-4de2-a463-253bec79a8a0 |
| SCIP notification number (Romania) | f41f8404-2ae7-4c6a-9204-bdad70606ed9 |
| SCIP notification number (Sweden) | 476bd403-fbc1-4227-b3e8-615aa1d8adfa |


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## Approvals / Certificates

### General approvals

| Approval | Standard | Certificate Name |
|---|---|---|
| EAC<br>GZO Almaty Standart | TP TC 020/2011 | EAC CoC 03083 |
| UL<br>Underwriters Laboratories Inc. (ORDINARY LOCATIONS) | - | E175199 |

### Declarations of conformity and manufacturer's declarations

| Approval | Standard | Certificate Name |
|---|---|---|
| EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | - | - |

### Approvals for marine applications

| Approval | Standard | Certificate Name |
|---|---|---|
| ABS<br>American Bureau of Shipping | - | 25-0415412 |
| BSH<br>Bundesamt fuer Seeschiffahrt und Hydrographie | - | 1104 |
| BV<br>Bureau Veritas S.A. | Rules for class. of Steel Ships | 66711/A0 |
| DNV<br>DNV GL SE | DNV-CG-0339,Aug.2021 | TAA0000194 |
| KR<br>Korean Register of Shipping | - | KR HMB05880-AC001 |
| LR<br>Lloyds Register EMEA | - | LR22180952TA |
| NK<br>Nippon Kaiji Kyokai | Guidel. Perform. Type Approvals | TA25276M |
| PRS<br>Polski Rejestr Statków | - | TE/1101/880590/23 |

### Approvals for hazardous areas

| Approval | Standard | Certificate Name |
|---|---|---|
| UL<br>Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS) | UL 121201 | E198726 |

## Downloads

### Environmental Product Compliance

**Compliance Search**

Environmental Product Compliance
750-626/020-002


Continued on next page

## Documentation

### Manual

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 |

### Bid Text

| | | |
|---|---|---|
| 750-626/020-002 | 19.02.2019 | xml 5.64 KB |

## CAD/CAE-Data

### CAD data

2D/3D Models 750-626/020-002

### CAE data

EPLAN Data Portal 750-626/020-002