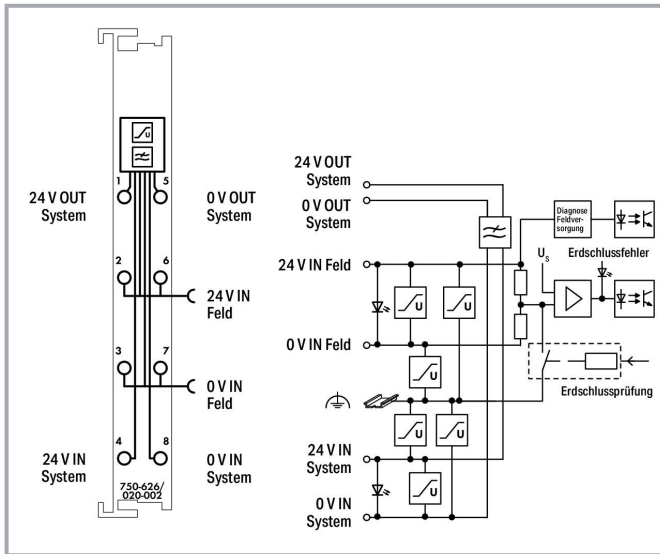


Subject to changes. Please also observe the further product documentation!

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Do you have any questions about our products?  
We are always happy to take your call at +49 (571) 887-44222.



## Item description

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 overvoltage protection 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 k $\Omega$  ( $\pm 15$  %)
- Main alarm 25 k $\Omega$  ( $\pm 15$  %)
- Hysteresis (typ.) 25 ... 30 %
- Response time  $\leq 5$  s (typ. 2.5 s)
- Internal resistance DC (test circuit)  $> 10$  M $\Omega$  (test inactive),  $> 90$  k $\Omega$  (test active)
- Test current  $\leq 180$   $\mu$ A (RF=0  $\Omega$ )
- Permissible system leakage capacitance  $\leq 2$   $\mu$ F

## Data

### Technical data

Signal type	Voltage
Voltage signal type	24 VDC
Data width	8-bit input; 8-bit output

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Supply voltage (system)	24 VDC (-25 ... +30 %)
Power consumption (5 V system supply)	29 mA
Supply voltage (field)	24 VDC, SELV (-25 ... +30 %); via power jumper contacts (power supply via CAGE CLAMP® connection; transmission via spring contact)
Power consumption, field supply (module with no external load)	16 mA
Isolation	300 VDC (limited by a transient protection device) system/field
Number of outgoing power jumper contacts	2
Current carrying capacity (power jumper contacts)	10 A

### Connection data

Connection technology: field supply	4 x CAGE CLAMP®
Connection technology: system supply	4 x CAGE CLAMP®
Connection type (1)	System/field supply
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

### Physical data

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

### Mechanical data

Mounting type	DIN-35 rail
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### Material data

Color	light gray
Housing material	Polycarbonate; polyamide 6.6
Fire load	0.881 MJ
Weight	52.1 g

### Environmental requirements

Surrounding air temperature (operation)	0 ... 55 °C
Surrounding air temperature (storage)	-40 ... 85 °C

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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 %
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

### Commercial data





PU (SPU)	1 Stück
Packaging type	box

### Approvals / Certificates

#### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

#### 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.	Rules for class. of Steel Ships	66711/A0
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAA0000194
	<b>LR</b> Lloyds Register	-	02/20026 (E6)


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Polski Rejestr Statków

TE/2236  
/880590/19

#### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199 Sec10

#### Downloads

##### Documentation

##### Manual

Power Supply Filter; 24 VDC; Higher Isolation; Ground Fault Diagnostics	V 1.0.0	pdf 3.3 MB	Download
System Manual WAGO I/O System 750 / 753 Decentralized Automation Technology	V 3.0.2 2021. 4. 27.	pdf 6.6 MB	Download
System Manual Series 750/753 Online HTML		URL	Download

##### Bid Text

750-626/020-002 X81 - Datei	2019. 2. 19.	xml 5.8 kB	Download
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##### System Description

750/753 Series I/O-System – General Product Information		pdf 1.7 MB	Download
Overview on WAGO-I/O-SYSTEM 750 approvals		pdf 780.2 kB	Download
Use in Hazardous Environments	V 1.0.0	pdf	Download

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Term definition, marking and installation regulations

1.0 MB

## CAD/CAE-Data

### CAE data

<a href="#">EPLAN Data Portal 750-626/020-002</a>	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

<a href="#">Environmental Product Compliance 750-626/020-002</a>	<a href="#">URL</a>	<a href="#">Download</a>
<a href="#">Supply Filter; 24 VDC; Higher isolation; Ground Fault Diagnostics</a>		

## Installation Notes

## Product family

[750/753 Series I/O System](#)

[Show all products from the family](#)

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