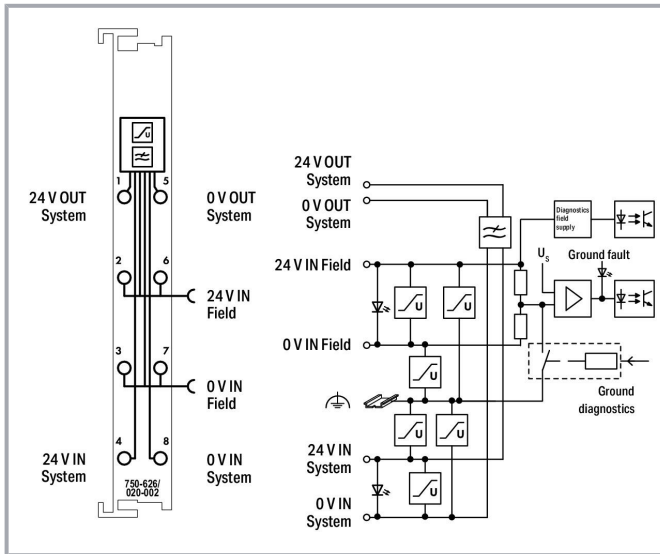


Subject to changes. Please also observe the further product documentation!

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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 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 k Ω (± 15 %)
- Main alarm 25 k Ω (± 15 %)
- Hysteresis (typ.) 25 ... 30 %
- Response time ≤ 5 s (typ. 2.5 s)
- Internal resistance DC (test circuit) > 10 M Ω (test inactive), > 90 k Ω (test active)
- Test current ≤ 180 μ A (RF=0 Ω)
- Permissible system leakage capacitance ≤ 2 μ F

Data

Technical data

Signal type	Voltage
Signal type (voltage)	24 VDC
Data width	8-bit input; 8-bit output

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Supply voltage (system)	24 VDC (-25 ... +30 %)
Current consumption (5 V system supply)	29 mA
Supply voltage (field)	24 VSELV DC (-25 ... +30 %); via power jumper contacts (power supply via CAGE CLAMP® connection; transmission via spring contact)
Current consumption, field supply (module with no external load)	16 mA
Isolation	300 VDC (limited by a transient protection device) system/field
Indicators	LED (A, C) green: Status system supply, Status field supply; LED (G) red: Ground fault
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 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
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Material Data

Housing material	Polycarbonate; polyamide 6.6
Fire load	0.967 MJ
Weight	52.1 g

Environmental requirements

Ambient temperature (operation)	0 ... +55 °C
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Subject to changes. Please also observe the further product documentation!



Ambient temperature (storage)	-25 ... +85 °C
Protection type	IP20
Pollution degree	2 per IEC 61131-2
Operating altitude	0 ... 2000 m / 0 ... 6562 ft
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

eCl@ss 10.0	27-24-26-10
eCl@ss 9.0	27-24-26-10
ETIM 8.0	EC001600
ETIM 7.0	EC001600
PU (SPU)	1 pcs
Packaging type	box

Environmental Product Compliance

CAS-No.	7439-92-1
REACH Candidate List Substance	Lead
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 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

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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

Approvals / Certificates



General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 020/2011	EAC RU C-DE.AM02.B.00087/19
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	UL 61010-2-201	E175199
	UL Underwriters Laboratories Inc. (ORDINARY LOCATIONS)	-	E175199

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	ABS American Bureau of Shipping	-	22-2219060
	BSH Bundesamt fuer Seeschifffahrt und Hydrographie	-	1104
	BV Bureau Veritas S.A.	Rules for class. of Steel Ships	66711/A0

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DNV
DNV GL SE

DNV-CG-0339, Aug. 2021

TAA0000194



KR
Korean Register of Shipping

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KR HMB05880-
AC001



LR
Lloyds Register EMEA

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LR22180952TA




PRS
Polski Rejestr Statków

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TE/2236
/880590/19



Approvals for hazardous areas

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

Downloads

Documentation

Manual

System Manual WAGO I/O System 750/753 Decentralized Automation Technology	V 3.3.0 2023 May 4	pdf 8.8 MB	Download
Product Manual Power Supply Filter; 24 VDC; Higher Isolation; Ground Fault Diagnostics	V 1.0.0	pdf 3.3 MB	Download
System Manual Series 750/753 Online HTML		URL	Download

Bid Text

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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 789.0 kB	Download

CAD/CAE-Data

CAE data

EPLAN Data Portal 750-626/020-002		URL	Download
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CAD data

2D/3D Models 750-626/020-002		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 750-626/020-002 Supply Filter; 24 VDC; Higher isolation; Ground Fault Diagnostics		URL	Download
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Installation Notes

Product family

WAGO I/O System 750/753
[Show all products from the family](#)

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