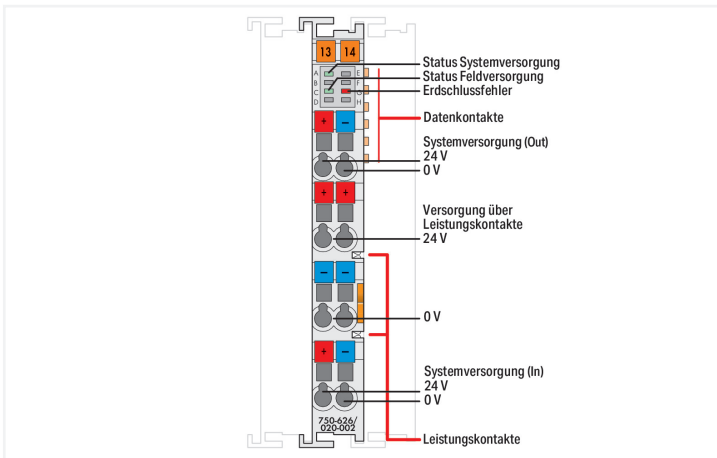
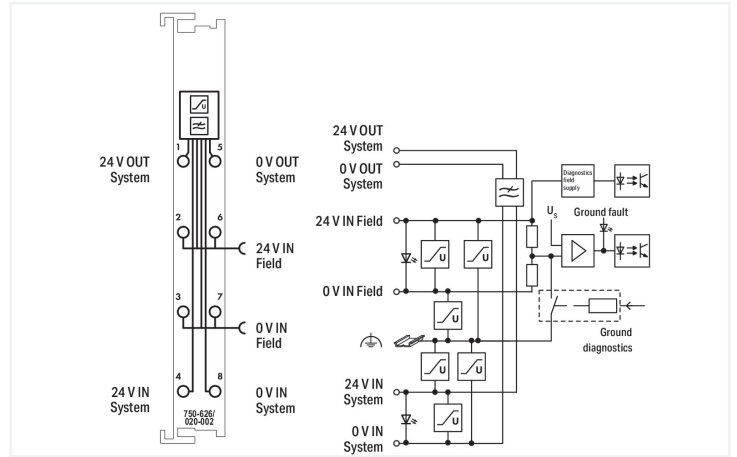


Data Sheet | Item Number: 750-626/020-002
Supply Filter; 24 VDC; Higher isolation; Ground Fault Diagnostics

<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
Data width	8-bit input; 8-bit output
Supply voltage (system)	24 VDC (-25 ... +30 %)
Current 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)
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: system power supply status, field power supply status; 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
---------------	-------------

Material data

Housing material	Polycarbonate; polyamide 6.6
Fire load	0.967 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 (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
Country of origin	DE
GTIN	4055143826846
Customs tariff number	85389091890

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)	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

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC Brjansker Zertifizierungs- stelle	TP TC 020/2011	EAC RU C-DE.AM02. B.00087/19
UL Underwriters Laboratories Inc. (ORDINARY LOCATI- ONS)	-	E175199

Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for marine applications



Approval	Standard	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
DNV DNV GL SE	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

Approvals for hazardous areas



Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCATIONS)	UL 121201	E198726 Sec.1

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 750-626/020-002 ↓

Documentation

Manual			
Product Manual Power Supply Filter; 24 VDC; Higher Isolation; Ground Fault Diagnostics	V 1.0.0	pdf 3248.65 KB	↓
System Manual WAGO I/O System 750/753	V 3.3.3 29.08.2023	pdf 8512.61 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	↓

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

