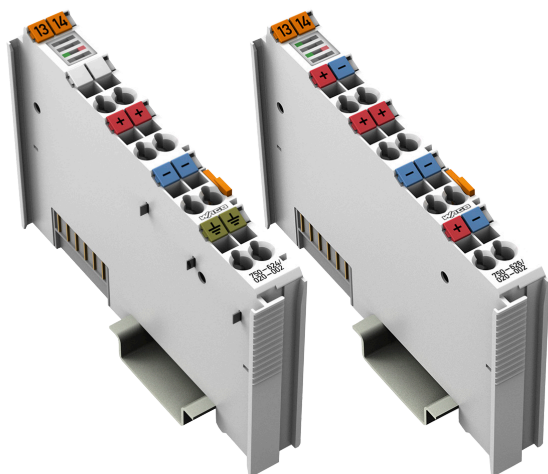


# NEW PRODUCT RELEASE

## Filter Modules with Ground Fault Diagnostics



WAGO has developed variants of our filter modules that have built-in ground fault diagnostics. The 750-624/020-002 and 750-626/020-002 are able to monitor both the +24 VDC and 0 VDC supply connections for impedance to ground.

In ungrounded systems like marine applications, engineers design in a ground fault test device to detect error resistance to Earth. However, these devices cannot measure ground faults that are after a power supply because of the inherent isolation in these devices. So a second device is used after the power supply for ground fault detection. These new filter modules with built-in ground fault detection can replace these secondary devices.

The filter modules carry out the ground fault test only when triggered from the fieldbus, PLC, or WAGO-I/O-CHECK software. The test will check the +24 VDC and 0 VDC connection and report if no ground fault is detected; a pre-alarm level of 50 K ohms is detected, or an alarm if the impedance is 25 K ohms or less.

These multi-purpose modules will help reduce system costs and reduce commissioning time.

### Features/Benefits:

Features:	Benefits:
Filter module with built-in ground fault detection	Reduce costs: no need for external device for ground fault detection after 24 VDC power supply
Compact	Ground fault detection in WAGO I/O node
Detection / alarming via fieldbus	Monitor ground faults over existing fieldbuses
Ground fault testing	Reduce commissioning and troubleshooting time by identifying ground faults on the secondary of a power supply
Ground fault detection in I/O node	Monitor ground fault status over a fieldbus

### Product Comparison:

Properties/ Part Number	750-624/000-001	NEW 750-624/020-002	750-626/020-000	NEW 750-626/020-002
Module Type	Field side filter with surge protection	Field side filter with surge protection	Field & system filter with surge protection	Field & system filter with surge protection
Isolation	Standard isolation	High isolation	High isolation	High isolation
Ground Fault Diagnostics	No	Yes	No	Yes
Note	This module or its variant is required in marine certified 750 nodes	This module or its variant is required in marine certified 750 nodes	This module or its variant is required in marine certified 750 nodes	This module or its variant is required in marine certified 750 nodes
List Price	\$82.75	\$128.50	\$112.70	\$123.40

Important Links: [750-624/020-002](#), [750-626/020-002](#), [www.mywago.us](#)




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# NEW PRODUCT RELEASE

## Filter Modules with Ground Fault Diagnostics

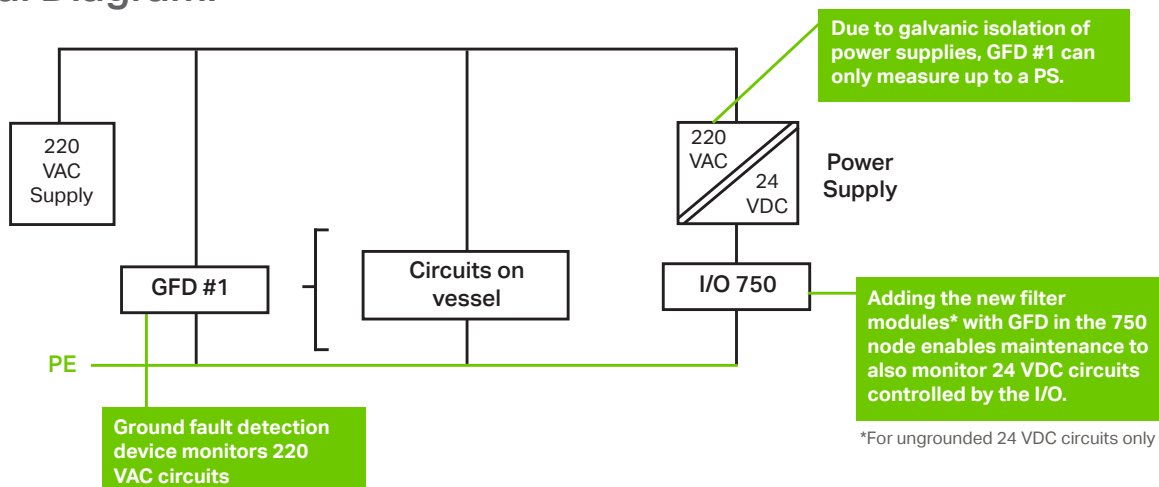


### Competitive Analysis:

	WAGO	Bender	Megacon
			
Product Category	Filter / Ground Fault Detector	Ground Fault Detector / Protection	DC Ground Fault Monitoring
Alarm	Via fieldbus / Kbus	Serial Modbus RTU	Alarm relay
Detection Method	Impedance	Current differential	Current differential
Estimated List Price	\$128.50	\$595.00	\$718.00

**Note:** Beckhoff, B&R, Rockwell Automation and Siemens do not offer an I/O module to support this application.

### Technical Diagram:



### Selling Features:

- Reduce troubleshooting time - monitor via Fieldbus
- Built-in I/O node - no additional hardware needed
- Compact footprint
- Monitor ground fault detection over fieldbus

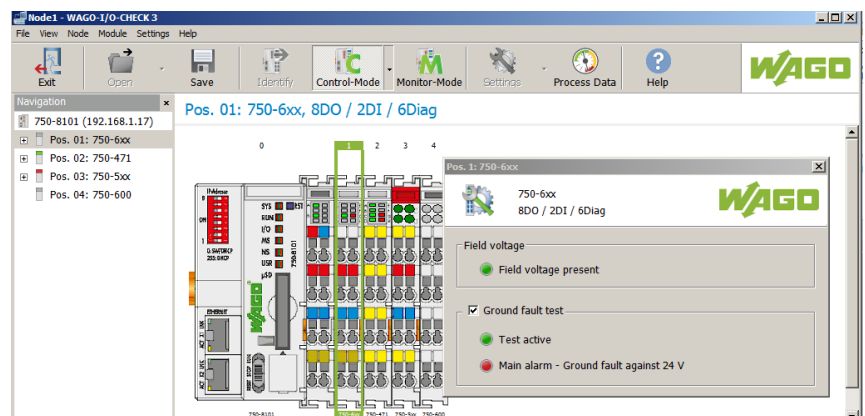
### Cross Selling:

- I/O modules
- Terminal blocks
- Power supplies
- Ethernet switches

### Where to Sell:

- Marine applications
- Offshore oil and gas, and wind turbines
- Other heavy industry applications

### ACTIVATE TEST WITH IO-CHECK OR e!COCKPIT:



Important Links: [750-624/020-002](http://750-624/020-002), [750-626/020-002](http://750-626/020-002), [www.mywago.us](http://www.mywago.us)

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