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2.124 characters (including spaces)
Release: March 18, 2013



New Fieldbus Couplers: PROFINET IO advanced and PROFINET IO advanced ECO

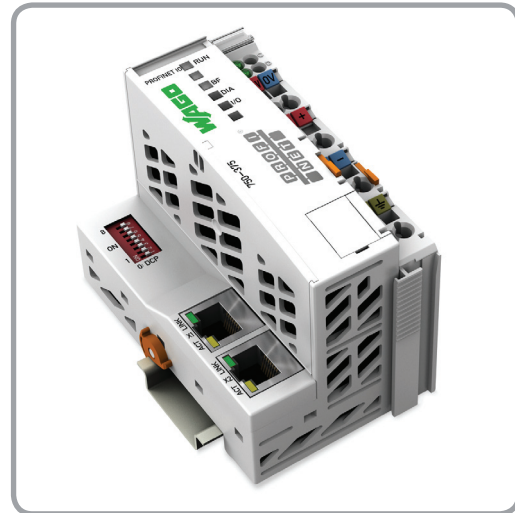
Two PROFINET IO Fieldbus Couplers join the WAGO-I/O-SYSTEM 750.

WAGO's new 750-375 and 750-377 PROFINET IO Fieldbus Couplers support the latest PROFINET Standard V2.3. Both models are equipped with an integrated 2-port switch, enabling line topology without extra components. Additionally, both couplers support LLDP protocol, allowing for device replacement without programming. Besides standard PROFINET features, such as topology detection and comprehensive diagnostics, both fieldbus couplers provide additional functions.

Key features include: PROFIenergy profile for efficient energy management, Ipar server functionality and Tool Calling Interface (TCI). Standard communication via PROFI-safe protocol (Safety Integrated) allows both 750-375 and 750-377 couplers to be used in safety-related applications.

The 750-375 PROFINET IO advanced Fieldbus Coupler, which carries its own supply module, creates local process images for maximum two I/O controllers and one I/O supervisor. The coupler features an integrated Web server (e.g., for advanced diagnostic capabilities) and supports "Shared Device," allowing connected I/O modules to be divided into functional units. It also permits easy separation between standard and safety functions within in a node. The 750-377 PROFINET IO advanced ECO Fieldbus Coupler, which is not equipped with a supply module, creates local process images for both I/O controller and supervisor.

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With a supply module: WAGO's 750-375 PROFINET IO advanced Fieldbus Coupler.
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1303GB02_Profinet_IO_advanced

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2.067 characters (including spaces)
Release: November 19, 2012

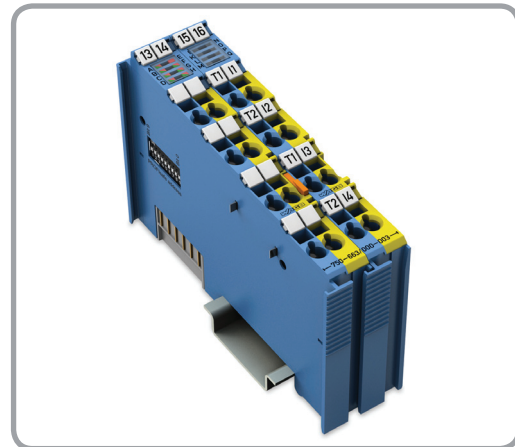


Safety Meets Ex i: One Module, Twice the Safety

A new 4-channel digital input module integrates functional safety and intrinsic safety into one single I/O module of the WAGO-I/O-SYSTEM 750.

Just 24 mm wide but with guaranteed safety: The 750-663 for PROFI-safe applications is used when safety of personnel is called for in hazardous Zones 0 and 1. This 4-channel digital module is installed in the WAGO-I/O-SYSTEM 750 together with the classic automation components in Zone 2. The four intrinsically safe inputs with functional safety can be used for safety functions up to "SIL 3" and "Cat. 4 PLe." Despite the combined features, the requirements for users during commissioning remain the same: The safety interface for the new 4-channel digital input module is identical to that for a pure safety I/O module from WAGO.

The input data for the 750-663, together with the other process data, is transferred using PROFI-safe protocols V1 and V2 on one fieldbus line. Inputs are continually monitored for cross circuits and voltage supply from separate sources. Different settings can be made in the I/O module using the WAGO-I/O-CHECK configuration software, such as the operating mode, activating and de-activating of test pulses and discrepancy and filter times. Fieldbus technology for hazardous areas is particularly vital to both process (grain/coal mills, bio-gas/cement plants) and power industries (gas/oil production facilities).



Functional safety and intrinsic safety in one single compact module: WAGO's 750-663 4-Channel Digital Input Module.
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The WAGO-I/O-SYSTEM 750

Approved for a wide variety of applications: with its fieldbus-independent design that features finely modular components, the WAGO-I/O-SYSTEM 750 readily meets all the requirements made of distributed fieldbus systems. The system's modularity is also reflected in its support of numerous fieldbus systems. Depending on the application, it is possible to choose between fieldbus couplers and controllers (PLC) for different protocols. With 400+ digital, analog and specialty I/O modules, the WAGO-I/O-SYSTEM 750 offers scalable performance and high integration density with an unbeatable price/performance ratio.

1208GB05_Safety-Ex-Module

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The WAGO-I/O-SYSTEM 750

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Without a supply module: WAGO's 750-377 PROFINET IO advanced ECO Fieldbus Coupler.
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