

TURCK

Industrial
Automation

**DISTRIBUTED
INTERFACE
TECHNOLOGY**

IMC SERIES

**Distributed Interface Technology
Series IMC**

TURCK

Industrial
Automation

IMC-Ai-11Ex-i/24VDC



Isolating Transducer, 1-Channel

IMC-Ai-11Ex-i/24VDC

Ident.-No. 7560009

Wiring Diagram



IMC-AO-11Ex-i/L



Analog Signal Isolator, Output, 1-Channel

IMC-AO-11Ex-i/L

Ident.-No. 7560006

Wiring Diagram



IMC-DO-11Ex/L



Valve Control Module, 1-Channel

IMC-DO-11Ex/L

Ident.-No. 7560008

Wiring Diagram



IMC-Di-22Ex-PNO/24VDC

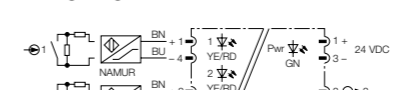


Isolating Switching Amplifier, 2-Channel

IMC-Di-22Ex-PNO/24VDC

Ident.-No. 7560003

Wiring Diagram



IMC-Di-22Ex-PNC/24VDC

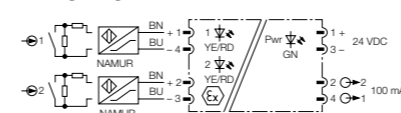


Isolating Switching Amplifier, 2-Channel

IMC-Di-22Ex-PNC/24VDC

Ident.-No. 7560010

Wiring Diagram



IMC-Ai-11Ex-i/L

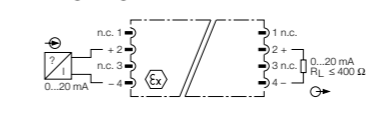


Analog Signal Isolator, Input, 1-Channel

IMC-Ai-11Ex-i/L

Ident.-No. 7560004

Wiring Diagram



Your Global
Automation Partner

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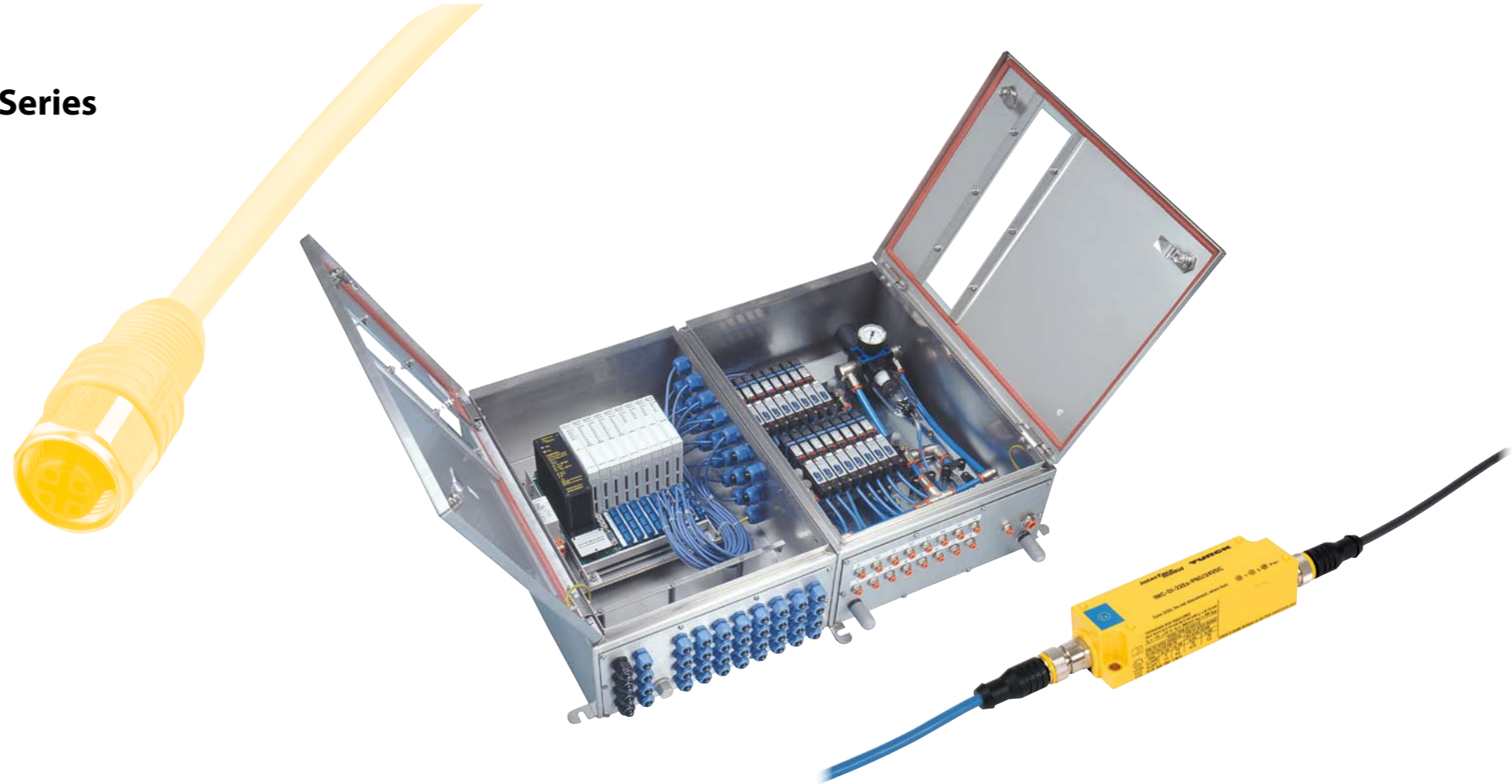
D201265 2015/03



Sense it! Connect it! Bus it! Solve it!

Distributed Interface Technology - IMC Series

- IP67 with screwed-on connectors
- For installation in zones 2/22 acc. to ATEX: II (1) GD, II 3 GD
- Ambient temperature -25...+70 °C
- Housing material PC/ABS (IMC module), flammability class V-0 acc. to UL94
- Normalized signals
- Plug-and-Play solution, M12 connectors
- Compact design
- Approvals: ATEX, IECEx, cFMus, TRCU, SIL acc. to EXIDA FMEDA



Protection Class IP67

The Interface module cartridge (IMC) series opens up new possibilities in the field of process automation: The Ex-separating plane is displaced from the cabinet into the machine. This reflects the increasing distribution of the system structures. The use of distributed IMC

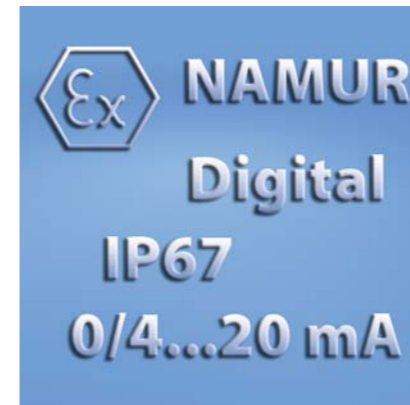
modules on a case-by-case basis – in parallel with the standard control cabinet solutions – provides additional flexibility for the installation. The IMC modules are highly compact, rugged and IP67 rated. The vibration resistant connectors ensure safe and reliable operation, even under harsh environmental conditions.



Installation in Ex zones 2/22

In addition to the galvanic isolation, the devices provide "intrinsically safe" explosion protection. Field use is made possible by means of approval to 3 GD, i.e. allows use in the explosion hazardous zones 2/22 with combustible dusts or

gases. Connection cables are available in various length. The IS cables are provided with on-moulded connector at one end. Note: Use in zones 2/22 is only permissible in combination with the IMC-SG protective housing which can be ordered separately.



Wide Range of Functions

The Interface Module Cartridge (IMC) series offers a selection of modules with intrinsically safe input/output circuits for different functions and normalized signals in distributed applications. The IMC

series in IP67 includes 2-channel isolating switching amplifiers, analog signal isolators with 0...20 mA analog input/output circuits, isolating transducers with a 0...20 mA analog output circuit as well as valve control modules.



Plug-and-Play Solution with M12 Connectors

The modules of the IMC series are equipped with standard M12 connectors for the electrical connection. This enables the interface devices to be installed and commissioned simply and safely using plug-and-play.