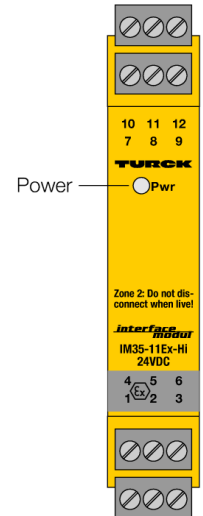
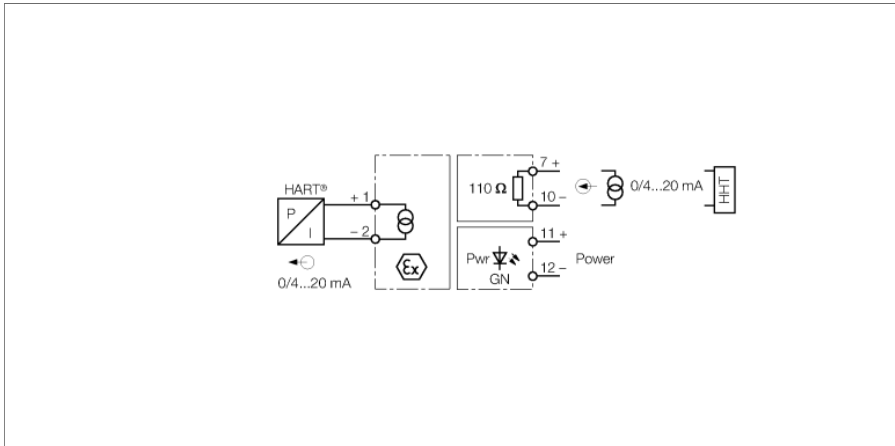


**Analog signal isolator  
1-channel  
IM35-11EX-HI/24VDC**



The standard current signal is galvanically isolated and transferred unattenuated 1:1 via the 1-channel signal isolator IM35-11EX-HI/24VDC from the non-Ex area to the Ex-area. In addition to the analog signals, also digital HART® communication signals bidirectionally.

Typical applications are for example, the control of I/P converters (at control valves for example) or indicators in the Ex-area.

The actuators are connected to the output terminals 1/2. Handheld terminals [HHT] can be connected to the output and input terminals 7/10.

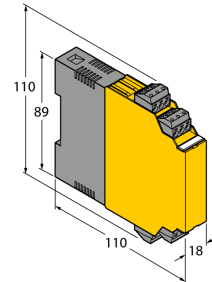
In addition, the removable terminal blocks are equipped with 2 mm test sockets for signal control.

- ATEX, IECEx, FM, UL, GOST
- Installation in zone 2
- Power supply of intelligent actuators via HART® communication
- Input circuit: 0/4...20 mA
- Output circuit: 0/4...20 mA, intrinsically-safe
- SIL2
- Removable terminal blocks, screwable, with 2 mm test box
- Galvanic isolation of input circuits, output circuits and power supply

**Analog signal isolator  
1-channel  
IM35-11EX-HI/24VDC**

<b>Type code</b>	IM35-11EX-HI/24VDC															
Ident no.	7506516															
<b>Flammability class acc. to UL 94</b>	V-0															
<b>Nominal voltage</b>	24 VDC															
Operating voltage range	19...29 VDC															
Power consumption	≤ 2.2 W															
<b>Current input</b>	0/4...20 mA															
Input resistance (current)	≤ 110 Ω															
<b>Output circuits</b>																
Output current	0/4...20 mA															
Load resistance current output	≤ 0.6 kΩ															
<b>Rise time (10-90%)</b>	≤ 90 ms															
Dropout time (90...10%)	≤ 90 ms															
Measuring accuracy	≤ 0.1 % of full scale															
Reference temperature	23 °C															
Temperature drift	≤ 0.005 % / K															
<b>Galvanic isolation</b>																
Test voltage	4.0 kV															
<b>Ex approval acc. to conformity certificate</b>	TÜV 03 ATEX 2311															
Application area	II (1) G, II (1) D															
Protection type	[Ex ia Ga] IIC; [Ex ia Da] IIIC															
Max. values:	terminal connection: 1+2															
Max. output voltage U <sub>o</sub>	≤ 15.9 V															
Max. output current I <sub>o</sub>	≤ 60 mA															
Max. output power P <sub>o</sub>	≤ 470 mW															
Internal resistance R <sub>i</sub>	528 Ω															
Characteristic	Trapezoidal															
Rated voltage	250 V															
Internal inductance/capacitance L/C,	Li=negligibly small; Ci=5nF															
External inductance/capacitance L <sub>e</sub> /C <sub>e</sub> ,																
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Lo [mH]	5	0,5	10	0,5												
Co [nF]	135	330	860	2200												
<b>Ex approval acc. to conformity certificate</b>	TÜV 06 ATEX 553057 X															
Application area	II 3 G															
Protection type	Ex nA [ic Gc] IIC T4 Gc															
Max. values:	terminal connection: 1+2															
Max. output voltage U <sub>o</sub>	≤ 15.9 V															
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Co [nF]	290	640	1700	3900												
<b>Approval</b>	SIL 2 acc. to EXIDA FMEDA															
MTTF	150 years acc. to SN 29500 (Ed. 99) 40 °C															
<b>Indication</b>																
Operational readiness	green															

**Dimensions**



**Analog signal isolator  
1-channel  
IM35-11EX-HI/24VDC**

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<b>Protection class</b>	IP20
Ambient temperature	-25...+70 °C
Storage temperature	-40...+80 °C
Dimensions	110 x 18 x 110 mm
Weight	140 g
Mounting instruction	For mounting on DIN rail or mounting panel
Housing material	polycarbonate/ABS
Electrical connection	4 x 3-pole removable terminal blocks with test socket, reverse polarity protected, screw connection
Terminal cross-section	1 x 2.5 mm <sup>2</sup> / 2 x 1.5 mm <sup>2</sup>
Tightening torque	0.5 Nm

**Accessories**

Type code	Ident no.	Description	Dimension drawing
IM-CC-3X2BU/2BK	6900475	Cage clamp terminals for IM modules (Ex devices; width 18 mm): 2 blue/2 black, 3-pin, included in delivery.	