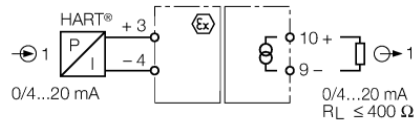


Analog signal isolator
1-channel
IME-AI-11Ex-Hi/L



Normalized active current signals are transmitted galvanically isolated and transmitted from the Ex area to the non-Ex area via the 1-channel analog signal isolator IME-AI-11EX-i/L.

The device is equipped with one input circuit of 0/4...20 mA and one short-circuit proof output circuit of 0/4...20 mA.

Input and output circuit are safely galvanically isolated. In switch position 1:1 the input signals are transmitted without interference and made available at the output in the non-Ex area.

The device is loop-powered and HART-transparent.

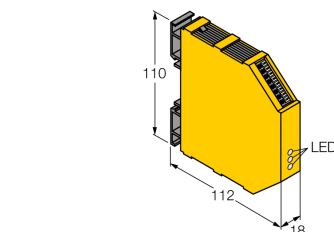
- ATEX, IECEx, TR CU, NEPSI
- Installation in zone 2
- HART® transmissible
- Complete galvanic isolation

Analog signal isolator

1-channel

IME-AI-11Ex-Hi/L

Dimensions



Type designation	IME-AI-11Ex-Hi/L
Ident no.	7541192
Nominal voltage	24 VDC loop-powered
Power consumption	≤ 0.75 W
Power loss, typ.	≤ 0.16 W
Voltage input	max. 30 VDC
Current input	0...20 mA
Control circuits	Current limiting 42 mA
Output circuits	
Output current	0...20 mA
Output voltage	max. 13 V
Load resistance, current output	≤ 0.4 kΩ
Rise time (10...90 %)	≤ 10 ms
Fall time (90...10 %)	≤ 10 ms
Measuring accuracy	≤ 0.1 % of full scale
Reference temperature	23 °C
Temperature drift	≤ 0.001 % / K
Galvanic isolation	
Test voltage	2.5 kV
Important note	For Ex-applications the values specified in the corresponding Ex certificates (ATEX, IECEx, UL, etc.) apply.
Ex approval acc. to conformity certificate	TÜV 08 ATEX 553236
Application area	II (1) G, II (1) D
Ignition protection category	[Ex ia] IIB/IIC; [Ex iaD]
Max. values:	Terminal connection: 3+4
Ex approval acc. to conformity certificate	TÜV 08 ATEX 554624 X
Application area	II 3 G
Ignition protection type	Ex nA [nL] IIC/IIB T4
Max. values:	Terminal connection: 3+4
Approval	SIL 2 acc. to EXIDA FMEDA
Protection class	IP20
Flammability class acc. to UL 94	V-0
Ambient temperature	-25...+70 °C
Storage temperature	-40...+80 °C
Dimensions	112 x 18 x 110 mm
Weight	110 g
Mounting instructions	DIN rail (NS35)
Housing material	Polycarbonate/ABS
Electrical connection	Cage clamp terminal made of beryllium bronze
Terminal cross-section	1.5 mm ²