## **Features**

- 1-channel isolated barrier
- 24 V DC supply (bus powered)
- Current output up to 650  $\Omega$  load
- · Low power dissipation
- Up to SIL2 acc. to IEC 61508

## **Function**

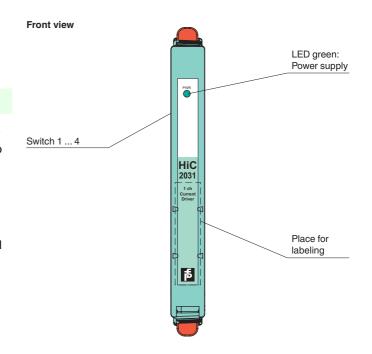
This isolated barrier is used for intrinsic safety applications. It repeats a 4 mA ... 20 mA input signal from a control system to drive HART I/P converters, valve actuators, and displays located in a hazardous area.

Digital signals may be superimposed on the analog values in the hazardous or safe area, which are transferred bidirectionally.

An open field circuit presents a high impedance to the control side to allow alarm conditions to be monitored by control systems.

This module mounts on a HiC Termination Board.

# **Assembly**



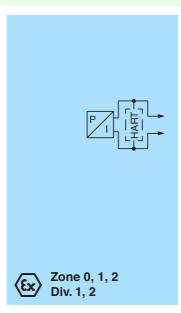


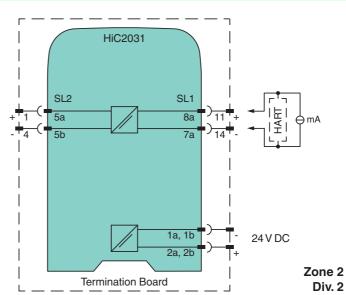


SIL2



#### Connection





Release date 2015-08-1116:48 Date of issue 2015-08-11 232445\_eng.xml

Analog output

≤ 10 %

≤ 30 mA

≤ 600 mW

≤ 700 mW

SL1: 8a(+), 7a(-)

SL2: 5a(+), 5b(-)

4 ... 20 mA

 $0 \dots 650 \Omega$ 

Un

In

SL1: 1a(-), 1b(-); 2a(+), 2b(+)

19 ... 30 V DC via Termination Board

4 ... 20 mA limited to approx. 30 mA

depending on switch configuration

depending on switch configuration

> 100 k $\Omega$ , with field wiring open

open loop voltage of the control system < 23 V open loop voltage of the control system < 27 V

open loop voltage of the control system < 23 V: approx. 6 V at 20 mA open loop voltage of the control system < 27 V: approx. 10 V at 20 mA

**General specifications** 

Signal type

Rated voltage

Rated current

Power dissipation Power consumption

Supply Connection

Ripple

Input Connection

Input signal

Input voltage

Voltage drop

Input resistance

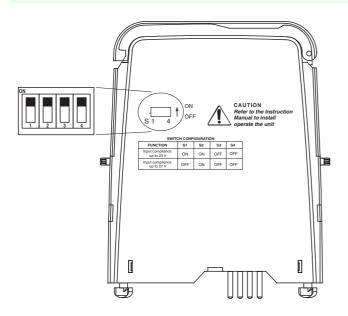
Output Connection

Current

Load

Directive conformity	
Directive 94/9/EC	EN 60079-0:2012+A11:2013 , EN 60079-11:2012 , EN 60079-15:2010 , EN 60079-26:2007 , EN 50303:2000
International approvals	
FM approval	
Control drawing	16-534FM-12 (cFMus)
IECEx approval	IECEx CES 06.0002
General information	
Supplementary information	EC-Type Examination Certificate, Statement of Conformity, Declaration of Conformity, Attestation of Conformity and instructions have to be observed where applicable. For information see www.pepperlfuchs.com.

# Configuration



# **Switch position**

Function	S1	S2	S3	S4
Open loop voltage of the control system < 23 V	ON	ON	OFF	OFF
Open loop voltage of the control system < 27 V	OFF	ON	OFF	OFF

Factory settings: open loop voltage of the control system < 23 V

Configure the device in the following way:

- Push the red Quick Lok Bars on each side of the device in the upper position.
- Remove the device from Termination Board.
- Set the DIP switches according to the figure.



The pins for this device are trimmed to polarize it according to its safety parameter. Do not change! For further information see system description.