## Features

- 1-channel isolated barrier
- 24 V DC supply (bus powered)
- Current output up to $625 \Omega$ load
- HART I/P and valve positioner
- Low power dissipation
- Suitable for long field cables (> 1000 m)
- Up to SIL 2 acc. to IEC 61508


## Function

This isolated barrier is used for intrinsic safety applications. It repeats the input signal from a control system to drive HART I/P converters, valve actuators, and displays located in a hazardous area.
Bi-directional communication is supported for HART devices. An open field circuit presents a high impedance to the control side to allow alarm conditions to be monitored by control systems.
This device mounts on a HiC Termination Board.

## Assembly



## c $\epsilon$

SIL 2

## Connection



Zone 2
Div. 2


| Current | $\mathrm{I}_{0}$ | 100 mA |
| :---: | :---: | :---: |
| Power | $\mathrm{P}_{0}$ | 500 mW |
| Output |  |  |
| Maximum safe voltage | $U_{m}$ | 253 V AC (Attention! The rated voltage can be lower.) |
| Certificate |  | PF 11 CERT 1845 X |
| Marking |  | Ex \\| \| 3G Ex nA IIC T4 Gc |
| Galvanic isolation |  |  |
| Input/Output |  | safe electrical isolation acc. to IEC/EN 60079-11, voltage peak value 375 V |
| Input/power supply |  | safe electrical isolation acc. to IEC/EN 60079-11, voltage peak value 375 V |
| Directive conformity |  |  |
| Directive 2014/34/EU |  | EN 60079-0:2012+A11:2013, EN 60079-11:2012 , EN 60079-15:2010 |
| International approvals |  |  |
| UL approval |  |  |
| Control drawing |  | 116-0393 (cULus) |
| IECEx approval |  | IECEx CES 11.0010 |
| General information |  |  |
| Supplementary information |  | Observe the certificates, declarations of conformity, instruction manuals, and manuals where applicable. For information see www.pepperl-fuchs.com. |

## Configuration



## Switch position

| Function | S1 | S2 | S3 | S4 |
| :--- | :---: | :---: | :---: | :---: |
| Open loop voltage of the <br> control system $<19 \mathrm{~V}$ | ON | ON | OFF | OFF |
| Open loop voltage of the <br> control system $<26 \mathrm{~V}$ | OFF | ON | OFF | OFF |

Factory settings: open loop voltage of the control system < 19 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.

