Features

- 1-channel
- · Input Ex ia
- Power supply for 2- or 3-wire transmitters with 4 mA ... 20 mA
- Supply circuit 16.5 V (20 mA)
- · Input from active signals of 4-wire transmitters
- Installation in suitable enclosures in Zone 1 or Zone 21
- · HART communication via field bus or service bus
- HART communication also for separately powered devices
- Simulation mode for service operations (forcing)
- · Line fault detection (LFD) and Live Zero monitoring
- · Permanently self-monitoring

Function

The transmitter power supply feeds 2- and 3-wire transmitters.

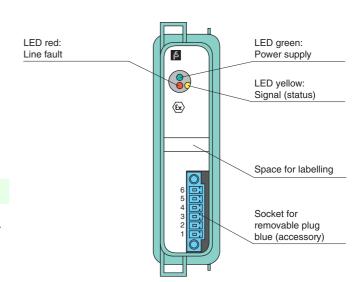
Active signals from separately powered field devices and 4-wire transmitters can be connected.

Open and short circuit line fault alarms as well as Live Zero status are detected.

The intrinsically safe input is galvanically isolated from the bus and the power supply (EN 60079-11).

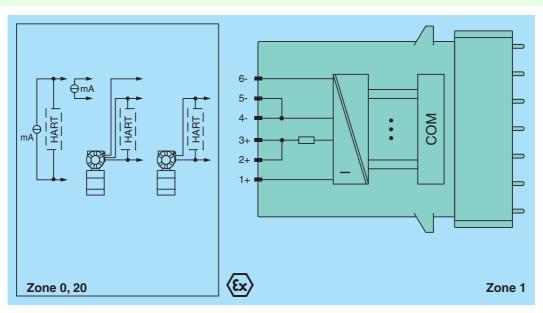
Assembly

Front view





Connection



Current

56 mA

Power		336 mW (trapezoid characteristic curve)
Input		
Voltage	U_o	0.7 V
Current	Io	3 mA
Power	P_{o}	2 mW (trapezoid characteristic curve)
Electrical isolation		
Input/power supply, internal bus		safe electrical isolation acc. to IEC/EN 60079-11, voltage peak value 375 V
Directive conformity		
Directive 94/9/EC		EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-26, EN 61241-0, EN 61241-11
International approvals		
IECEx approval		pending
General information		
System information		The module has to be mounted in appropriate backplanes and housings (FB92**) in Zone 1, 2, 21, 22 or outside hazardous areas (gas or dust). Here, the corresponding EC-Type Examination Certificate has to be observed.
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.