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 Zone 2, Zone 22, Div. 2, or safe area
- 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
- Module can be exchanged under voltage (hot swap)

Function

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

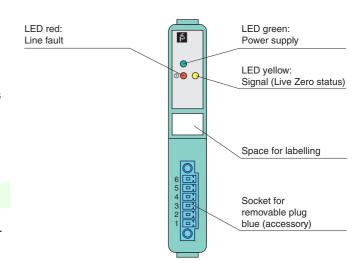
Active signals from separately powered field devices and 4-wire transmitters can be connected.

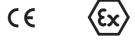
Open and short circuit line fault alarms as well as Live Zero status are detected.

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

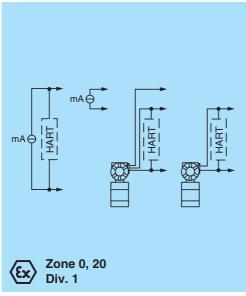
Assembly

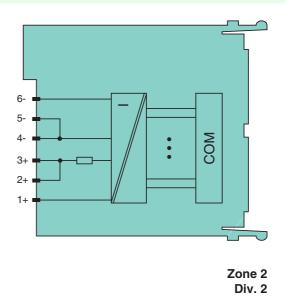
Front view





Connection





Voltage		8.9 V
Current		56 mA
Power		336 mW (trapezoid characteristic curve)
Input		
Voltage	U_o	0.7 V
Current	I _o	3 mA
Power	Po	2 mW (trapezoid characteristic curve)
Declaration of conformity		PF 08 CERT 1234
Group, category, type of protection, temperature class		⟨ II 3 G Ex nA IIC T4
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 60079-11, EN 60079-15, EN 60079-26, EN 61241-0, EN 61241-11
International approvals		
UL approval		E106378
IECEx approval		BVS 09.0037X , BVS 08.0011X
General information		
System information		The module has to be mounted in appropriate backplanes (LB9***) in Zone 2 or outside hazardous areas. Here, the corresponding declaration of conformity has to be observed. For use in hazardous areas (e. g. Zone 2, Zone 22 or Div. 2) the module must be installed in an appropriate enclosure.
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.pepperl-fuchs.com.