Features

- 1 digital output, 2 digital inputs
- Output voltage 24 V, max. internal resistance 210 Ω
- Installation in Zone 2, Zone 22, or safe area
- · Positive or negative logic selectable
- Simulation mode for service operations (forcing)
- · Permanently self-monitoring
- · Output with watchdog
- Module can be exchanged under voltage (hot swap)

Function

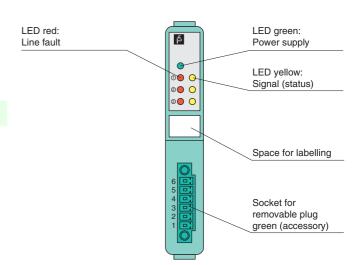
The digital output features 1 output with 2 feedback inputs.

The device can be used to switch solenoids, sounders, or indicators (without line fault detection) in the field. Furthermore, the device accepts digital input signals of NAMUR sensors or mechanical contacts from the field.

The inputs and the output are galvanically isolated from the bus and the power supply.

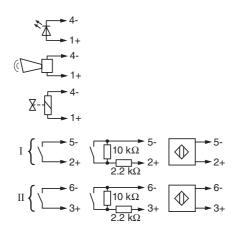
Assembly

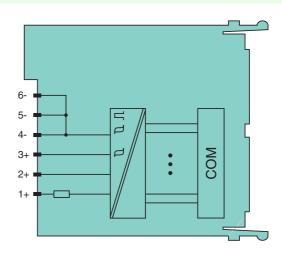
Front view



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Connection



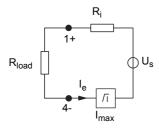


Zone 2

| 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 or Zone 22) 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.pepperlfuchs.com. |

Output data

Load calculation



$$\begin{split} &R_{load} = \text{Field loop resistance} \\ &U_e = U_s - R_i \times I_e \\ &I_e = U_s / (R_i + R_{load}) \end{split}$$

Output characteristics

