Dimensions



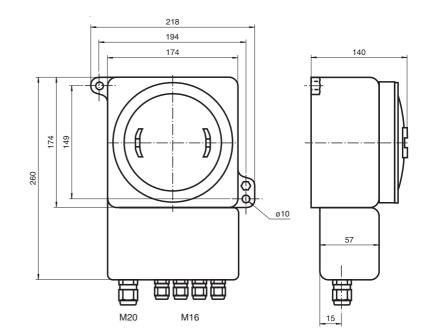
- 4 intrinsically safe power supply channels
- Intrinsically safe outputs: Ex ib IIC
- Installation in the Ex-area: Ex de [ib] IIC T4
- Contained in an explosion-protected, pressure-tight encapsulated housing (Ex d) with external connection terminals for increased safety (Ex e) in a separate terminal compartment
- Device installation in Zone 1, Zone 2, or Zone 22

Function

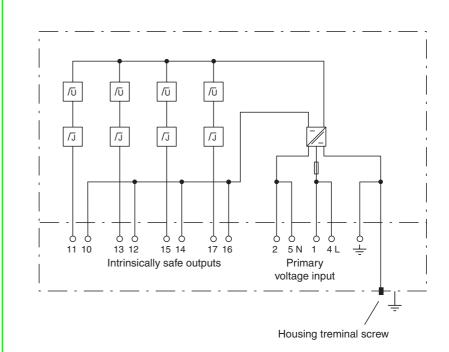
This power supply unit can be installed directly in hazardous areas. It has four (4) intrinsically safe output channels. The power supply unit is kept in an explosion-protected, flameproof encapsulated housing. For increased safety, the external connections are kept in a separate terminal box for the following connections:

- 1. Primary voltage input
- 2. Intrinsically safe power supply outputs

The input and output voltage are galvanically separated from each other. The outputs have no galvanic separation from each other.



Connection



Release date 2011-02-09 10:30 Date of issue 2011-02-09 124499_ENG.xml

Subject to reasonable modifications due to technical advances.

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Technical data

ConnectionHand vilageHand vilageFaser visas21 VAPower consumption23 VACPower consumption23 VAConnectionHerminals 1.e, 12+, 14+, 16+, 11-, 13-, 15+, 17-Connection8.79.3 VDCPower8.79.3 VDCPowerNot 78.1997Explaine protectionExplaine protectionDirective 2006/95/ECEx Bo078-0.2006, Ex Bo079-1.2007, Ex Bo079-11:2007PowerExt 80078-11:2007PowerExt 80078-11:2007Protection degreeEx Bo078-11:2007Protection degreeSo078-11:2007Protection degreeSo078-11:2007Protection degreeSo078-11:2007Protection	Supply	
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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.		Conformity and instructions have to be observed where applicable. For information see www.pepperl-

Notes

Ex e input:

The PE conductor of the cable must **not** be connected with the terminals or housing of the power stage. The potential equalisation lead **must** be connected with the housing.

The Ex e input has an M20 screwed connection and can receive cables from 6 mm to 12 mm in diameter. The Ex e terminals receive cables of max. 1 x 2.5 mm² or 2 x 1 mm².

Ex i output (9 V DC):

The Ex i outputs have M16 screwed connections and are suitable for cables of from 4 mm to 8 mm in diameter.

Maximum cable length:

- 3.5 m (1.5 mm²)
- 5.9 m (2.5 mm²)