

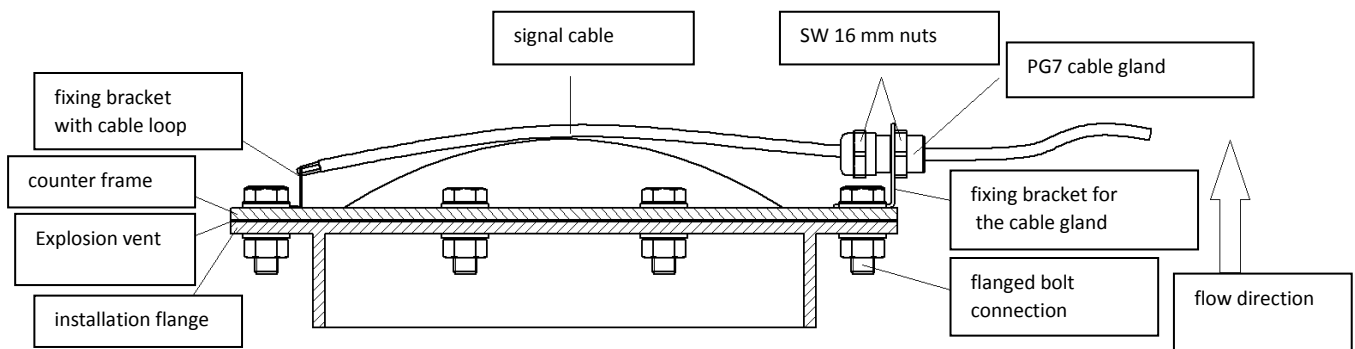
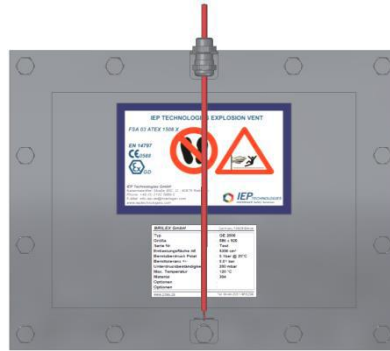
## EN SE-WIRE installation and operation manual

### Installation instructions:



*Assembly of the SE-WIRE may only be undertaken when the entire installation is switched off. When the system is activated, no access is allowed into the explosion vent relief area!*

The fixing bracket of the integrated signal cable is mounted close to the tag label of the explosion vent by means of flange bolts. The cable is led above the explosion vent surface. The fixing bracket of the cable gland is also mounted with flange bolts. The signal cable is led through the cable gland and fixed in the longitudinal hole of the fixing bracket. The signal cable is carefully stretched to be fixed. Now the nut of the cable gland can be tightened.



*Handle the SE-WIRE Sensor with great care to avoid premature cable loop breaking*

### Function description:

The cable loop is torn when the explosion vent is opened. It results in the electric circuit interruption and a continuous, highly resistant signal is generated. The signal communicates explosion and immediate installation cut off.



If the cable gland is not sufficiently fastened, the cable may be left intact during explosion. In such a situation, the installation switching-off signal will not be generated, i.e., the functionality of the installation cut-off control will fail to respond! If the cable in the explosion vent area will be laid too loose, the control response may be delayed. Also in this case, a slight opening of the disc may remain unidentified. By contrast, a too much stretched cable may lead to the cable loop damage, causing sporadic alarms and functional errors. The signal generator is connected into a safety close-circuit current mode. It is recommended to use an isolating switch amplifier, e.g., Pepperl + Fuchs KFD2-Ex1.W (or similar).

### Scope of delivery:

- SIHF 2 x 0,5 mm<sup>2</sup> signal cable, length of 3 m, colour: red, max. upper limit temperature: 200°C
- Cable loop fastening angle
- Fastening angle for the PG7 cable bolted connection



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