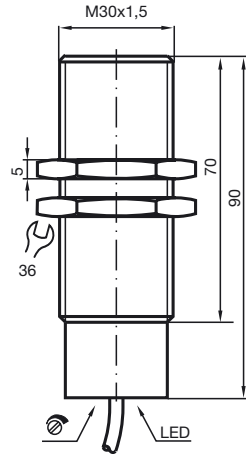
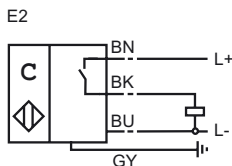


For use in Zone 10
 6 mm embeddable
 The switching distance can be set over a wide range with the potentiometer



General specifications	
Switching element function	PNP Make function
Rated operating distance s_n	6 mm
Installation	embeddable
Output polarity	DC
Assured operating distance s_a	0 ... 4.32 mm
Nominal ratings	
Operating voltage U_B	10 ... 30 V
Switching frequency f	0 ... 10 Hz
Reverse polarity protection	protected against reverse polarity
Short-circuit protection	pulsing
Voltage drop U_d	≤ 3 V
Operating current I_L	0 ... 200 mA
No-load supply current I_0	≤ 20 mA
Indication of the switching state	LED, yellow
Standard conformity	
EMC in accordance with	IEC / EN 60947-5-2:1999
Ambient conditions	
Ambient temperature	-25 ... 70 °C (248 ... 343 K)
Mechanical specifications	
Connection type	2 m, PVC cable
Core cross-section	0.75 mm ²
Housing material	Stainless steel
Sensing face	PBT
Protection degree	IP65

Connection type:



The ever present danger of explosion in Zone 10 areas places great demands on the application of safety technology, of which proximity sensors are an important link in the safety chain.

The two capacitive sensors CJ6-30GM-E2-Z10 and CJ10-30GM-N-Z10 are approved for use in Zone 10 and have BVS approval. They are therefore suitable for use in silos and conveying plants where there is a risk of dust explosions. It may also be used, together with the mounting parts supplied, in the isolating area between Zones 10 and 11

Sensor CJ10-30GM-N-Z10 may be completely installed in the explosion hazardous area, Zone 10. It must be controlled by intrinsically safe control equipment. For this purpose, Pepperl+Fuchs produce an extensive range of control equipment in the E-systems and the K-series, which enable safe and multi-purpose signal evaluation.

The sensor is encapsulated cavity free in a sturdy stainless steel housing, and is subjected to stringent individual testing, including a high voltage test. A test plate certifies that individual testing has been completed.

The mounting of sensors in Zone 10 is subject to regulations and conditions for installation which must be observed.

When used in the potentially explosive area Zone 10, the earth lead GY must be included in the voltage equalisation.