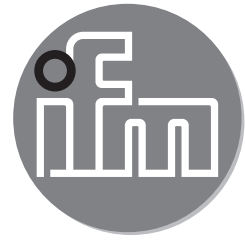


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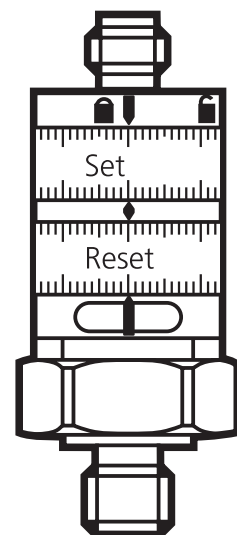
Installation Instructions
Electronic pressure monitor

efector500[®]

PK853x

UK

706223 / 00 06 / 2012



1 Safety instructions

- Read the product description before installing the unit. Ensure that the product is suitable for your application without any restrictions.
- Non-adherence to the operating instructions or technical data can lead to personal injury and/or damage to property.
- In all applications check compliance of the product materials (→ 6 Technical data) with the media to be measured.

2 Function and features

The pressure monitor detects the system pressure and switches the two complementary outputs OUT1 (pin 4) / OUT2 (pin 2):

- In case of increasing pressure OUT1 closes / OUT2 opens when the set Set value is reached.
- In case of decreasing pressure OUT1 opens / OUT2 closes when the set Reset value is reached.

Applications

Type of pressure: relative pressure

Order no.	Measuring range		Permissible overload pressure		Bursting pressure	
	bar	MPa	bar	MPa	bar	MPa
PK8530	0...400	0...40	600	60	1 600	160



Avoid static and dynamic overpressure exceeding the given overload pressure.

Even if the bursting pressure is exceeded only for a short time the unit can be destroyed (danger of injuries)!

3 Installation



Before mounting and removing the sensor, make sure that no pressure is applied to the system.

4 Electrical connection



The unit must be connected by a suitably qualified electrician.

The national and international regulations for the installation of electrical equipment must be observed.

Voltage supply to EN50178, SELV, PELV.

For the scope of validity cULus: The device shall be supplied from an isolating transformer having a secondary Listed fuse rated either

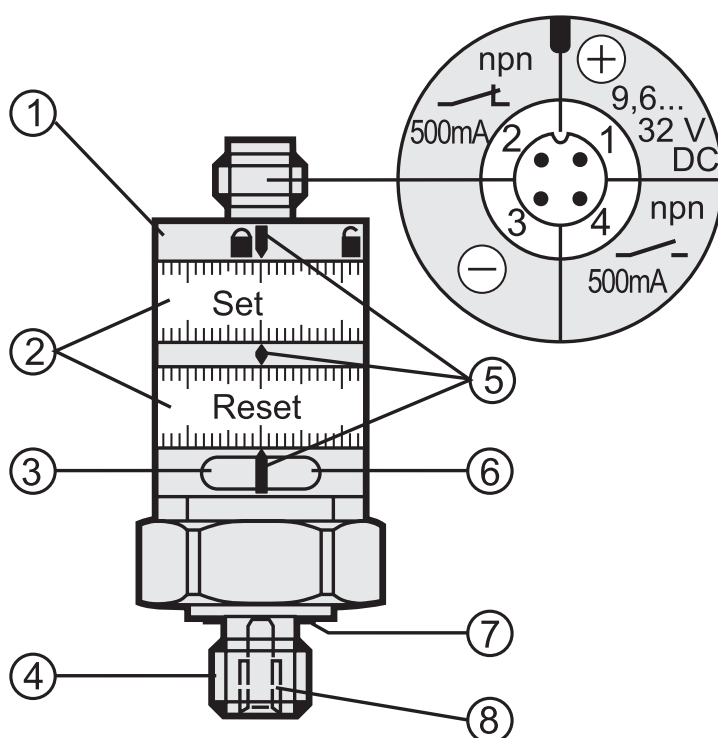
a) max 5 amps for voltages 0~20 Vrms (0~28.3 Vp) or

b) 100/Vp for voltages of 20~30 Vrms (28.3~42.4 Vp).

► Disconnect power before connecting the unit.

UK

5 Setting / Operation



1: locking ring

2: setting rings (manually adjustable after unlocking)

3: green LED: supply voltage O.K.

4: process connection G $\frac{1}{4}$ A; tightening torque 25 Nm

5: setting marks

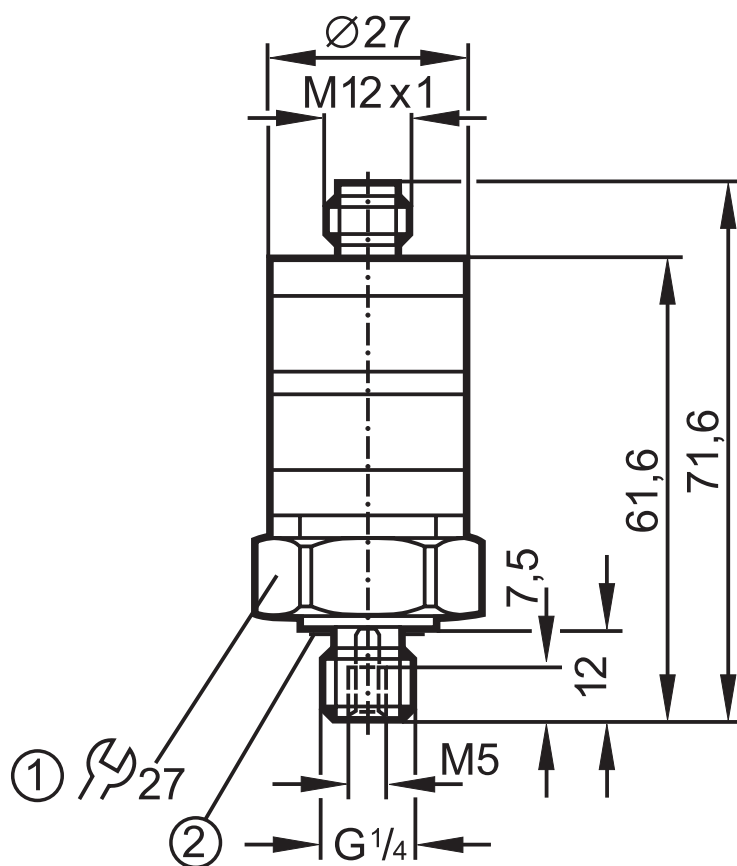
6: yellow LED: Set value reached, OUT1 = ON / OUT2 = OFF

7: sealing FPM / DIN 3869-14

8: internal thread M5

- Minimum distance between Set and Reset = 2% of the final value of the measuring range.
- To obtain the setting accuracy: Set the rings to the minimum value, then set the requested value.

6 Scale drawing



Dimensions are in millimeters (25.4 mm = 1 inch)

1: tightening torque 25 Nm

2: sealing FPM / DIN 3869-14

