

- Detects stoppage of a cylinder due to a pressure drop in the exhaust chamber
- For direct mounting to cylinders
- Choice of pneumatic, electrical or electronic output
- Wide range of sizes



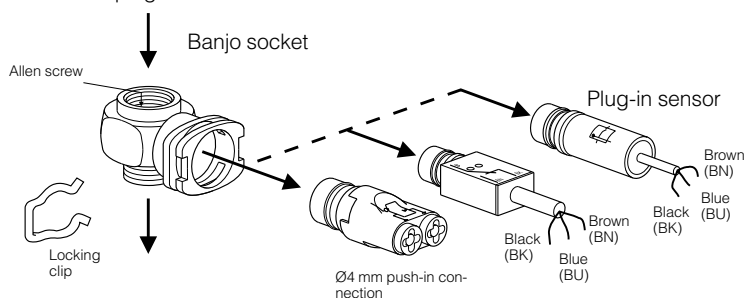
**Operating information**

Operating pressure: 0 to 10 bar  
 Permissible fluids: Air or neutral gas 50micron or filtration, lubricated or not  
 Operating temperature: -15°C to +60°C  
 Storage temperature: -40°C to +70°C  
 No. of operations with dry air at 6 bar 20°C 1 Hz: 10 million  
 Maximum operating frequency: 10 Hz  
 Output characteristics: Pneumatic: Flow at 6 bar 90l/mn  
 Electrical: C/contact 2,5A/250V AC, 5W 48V DC  
 Electronic: PNP N/C or N/O 10 to 30V 75 mA DC  
 Maximum connecting torque: M5 = 1Nm; 1/8 = 8Nm; 1/4 = 12Nm; 3/8 = 30Nm; 1/2 = 35Nm  
 Body material: Thermo plastic  
 Connection thread: Brass

**Dimensions and piloting pressures next page**

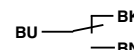
**Assembly**

All back pressure sensors are a combination of two distinct parts: a banjo socket + a plug-in sensor.



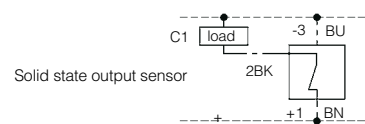
**Connection**

Output signal connection

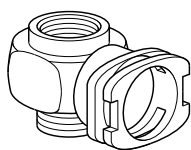


Pneumatic output sensor: Ø4 mm push-in

Electric output sensor

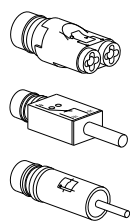


**Banjo Sockets**



Thread Size for Cylinder Port	Female Thread	Tool Required	Weight Kg	Order code
M5	M5	8mm flat spanner	0,04	<b>PWS-B155</b>
G1/8	G1/8	5mm Allen key	0,04	<b>PWS-B188</b>
G1/4	G1/4	8mm Allen key	0,05	<b>PWS-B199</b>
G3/8	G3/8	10mm Allen key	0,07	<b>PWS-B133</b>
G1/2	G1/2	12mm Allen key	0,11	<b>PWS-B122</b>

**Plug-in Sensors**



Sensing function	Output function	Output Connection	Output characteristics	Weight kg	Order code
Exhaust back pressure decay	Pneumatic	Push-in Ø4mm	NO valve flow rate at 6 bar 90 l/mn	0,09	<b>PWS-P111</b>
	Electrical ~Ve = 3A	3 wires 0,5mm <sup>2</sup> length 2m	CO contact 12 to 230V ~ / 10VA* 12 to 48 VDC/5W*	0,08	<b>PWS-M1012</b>
	Solid state	3 wires 0,1mm <sup>2</sup> length 2m	PNP type NC	0,07	<b>PWS-E101</b>
			10/30VDC** 75 mA, NO	0,07	<b>PWS-E111</b>

\* Suitable for low currents : 250 V ~ / 4 mA ; 24 VDC / 10 mA \*\* Including ripple