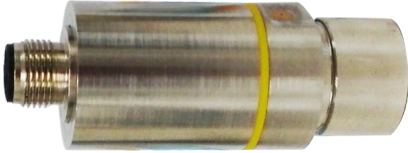
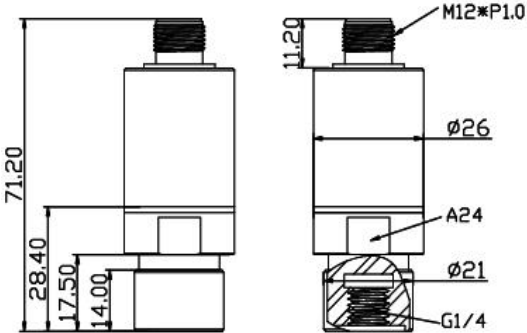

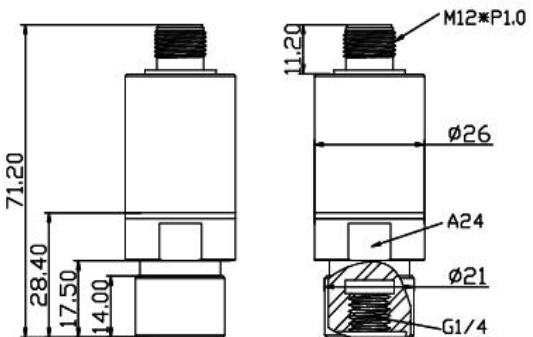

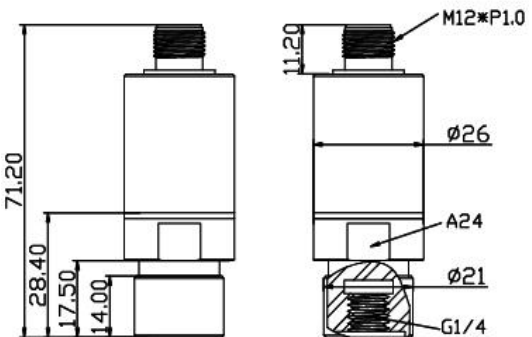


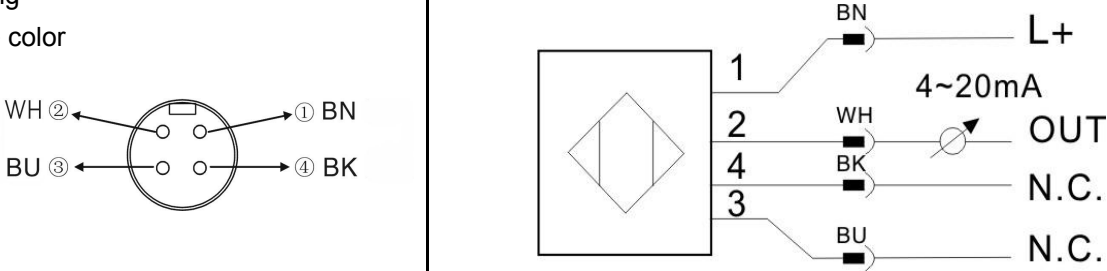
<p>PB1140 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range -1...1bar -14...14Psi -1...1 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Negative pressure: corresponding pressure Liquid and gas</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>4</p>
<p>Burst pressure[bar]</p>	<p>5</p>
<p>Analogue output</p>	<p>4...20mA</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

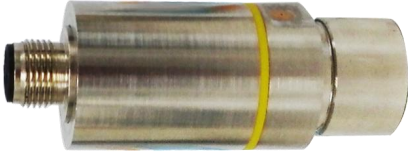
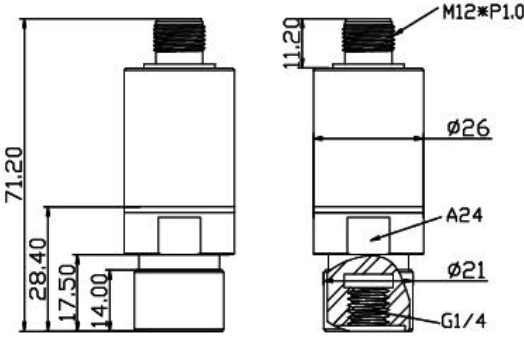
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a diamond-shaped M12 socket with four pins labeled 1, 2, 4, and 3. Pin 1 is connected to a BN wire, which is labeled L+. Pin 2 is connected to a WH wire, which is labeled OUT with a 4~20mA current range and a variable resistor symbol. Pin 4 is connected to a BK wire, labeled N.C. Pin 3 is connected to a BU wire, also labeled N.C. To the left, a circular core color diagram shows four terminals: ① BN (top), ② WH (left), ③ BU (bottom), and ④ BK (right).</p>

<p>PB1141 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...2bar 0...29Psi 0...2 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure</p>
<p>Supply voltage[V]</p>	<p>Liquid and gas 18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>4</p>
<p>Burst pressure[bar]</p>	<p>8</p>
<p>Analogue output</p>	<p>4...20mA</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

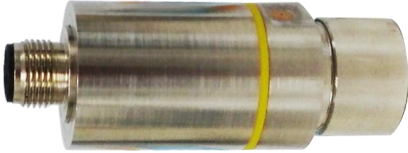
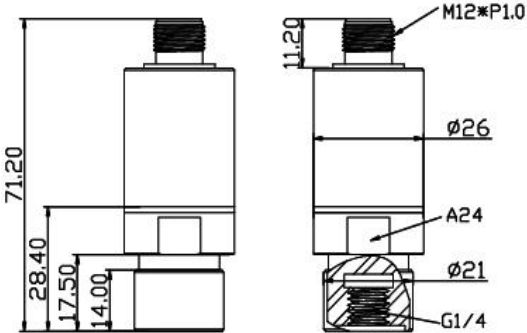
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a diamond-shaped M12 socket with four pins labeled 1, 2, 4, and 3. Pin 1 is connected to a BN terminal, which is labeled L+. Pin 2 is connected to a WH terminal, which is labeled OUT and has a current range of 4~20mA. Pin 4 is connected to a BK terminal, which is labeled N.C. Pin 3 is connected to a BU terminal, which is also labeled N.C. To the left, a circular core color coding diagram shows four terminals: ① BN (top), ② WH (left), ③ BU (bottom), and ④ BK (right).</p>

<p>PB1142 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...5bar 0...73Psi 0...5 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	10
Burst pressure[bar]	20
Analogue output	4...20mA
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50


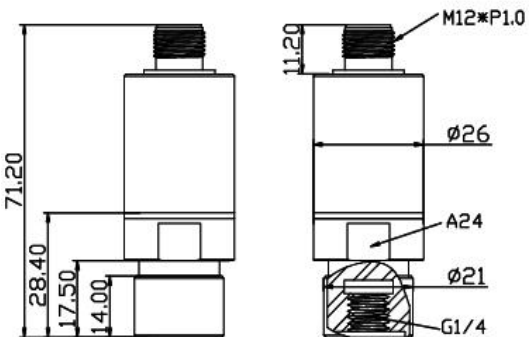
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Viton)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	 <p>The diagram shows a circular terminal block with four pins. Pin 1 (top) is labeled BN. Pin 2 (left) is labeled WH. Pin 3 (bottom) is labeled BU. Pin 4 (right) is labeled BK. To the right, a square symbol represents the sensor core with four internal vertical lines. Below it, a wiring diagram shows four pins connected to external terminals: Pin 1 to BN (L+), Pin 2 to WH (4~20mA OUT), Pin 4 to BK (N.C.), and Pin 3 to BU (N.C.).</p>

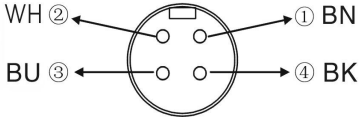
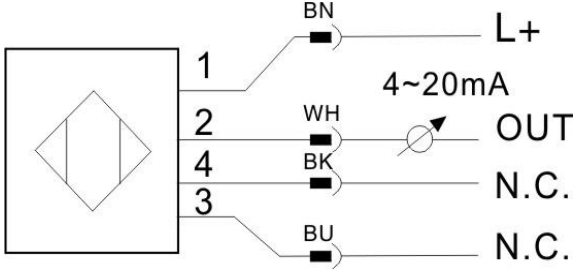
<p>PB1143 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...10bar 0...145Psi 0...10 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	20
Burst pressure[bar]	35
Analogue output	4...20 mA
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

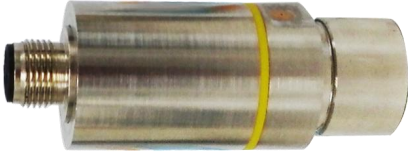
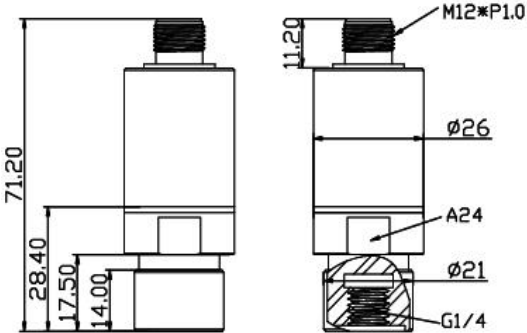
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Viton)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a diamond-shaped M12 socket with four pins labeled 1, 2, 4, and 3. Pin 1 is connected to a terminal labeled BN, which is further connected to L+. Pin 2 is connected to a terminal labeled WH, which is connected to a 4~20mA current loop output labeled OUT. Pin 4 is connected to a terminal labeled BK, which is marked as N.C. (Not Connected). Pin 3 is connected to a terminal labeled BU, which is also marked as N.C. To the left, a circular core color coding diagram shows four terminals: ① BN (top), ④ BK (right), ③ BU (bottom), and ② WH (left).</p>

<p>PB1144 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...20bar 0...290Psi 0...20 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure</p>
<p>Supply voltage[V]</p>	<p>Liquid and gas 18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>40</p>
<p>Burst pressure[bar]</p>	<p>60</p>
<p>Analogue output</p>	<p>4...20mA</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

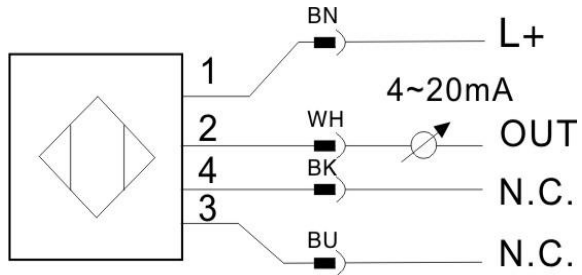
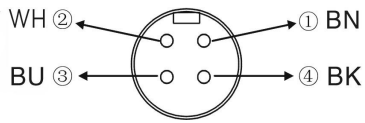
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a diamond-shaped M12 socket with four pins labeled 1, 2, 4, and 3. Pin 1 is connected to a BN terminal, which is labeled L+. Pin 2 is connected to a WH terminal, which is labeled OUT with a current range of 4~20mA. Pin 4 is connected to a BK terminal, which is labeled N.C. Pin 3 is connected to a BU terminal, which is also labeled N.C. To the left, a circular core color coding diagram shows four terminals: ① BN (top right), ② WH (top left), ③ BU (bottom left), and ④ BK (bottom right).</p>

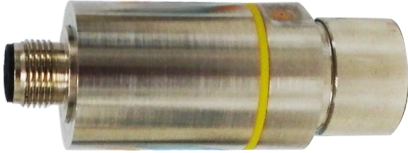
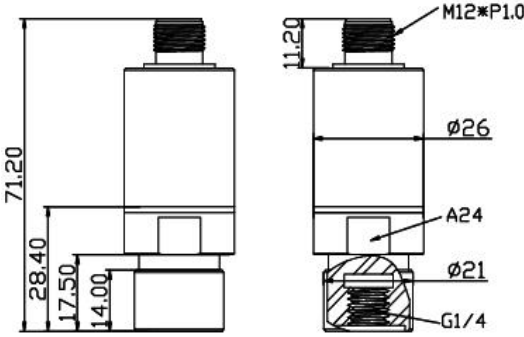
<p>PB1145 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...50bar 0...725Psi 0...50 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	100
Burst pressure[bar]	140
Analogue output	4...20mA
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

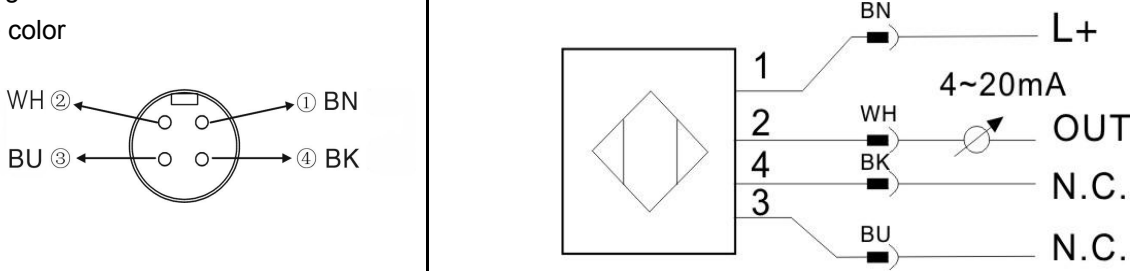
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color 	

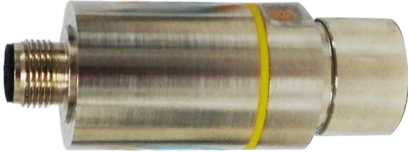
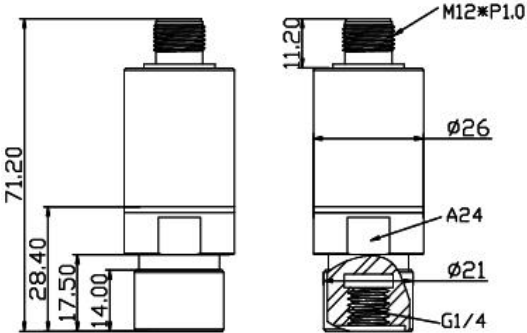
<p>PB1146 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...100bar 0...1450Psi 0...100 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure</p>
<p>Supply voltage[V]</p>	<p>Liquid and gas 18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>150</p>
<p>Burst pressure[bar]</p>	<p>300</p>
<p>Analogue output</p>	<p>4...20 mA</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring	
Core color	

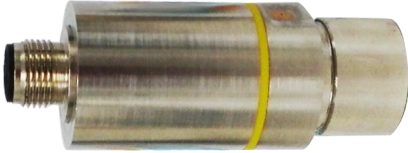
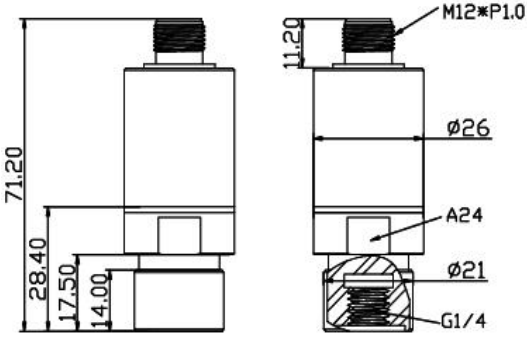


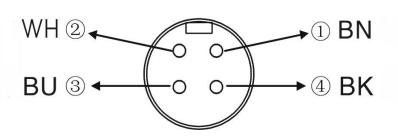
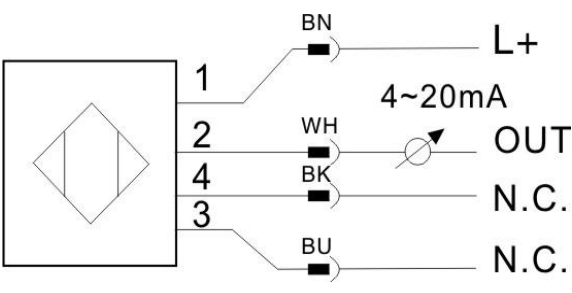
<p>PB1147 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...200bar 0...2900Psi 0...202 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	300
Burst pressure[bar]	400
Analogue output	4...20mA
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

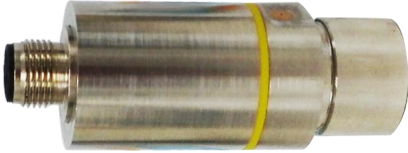
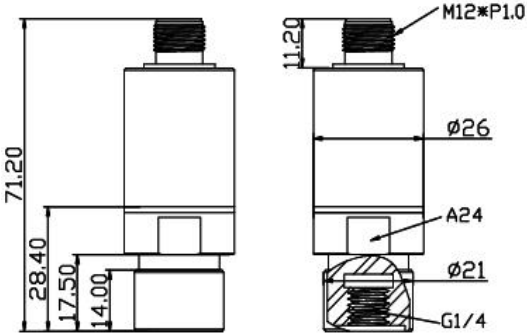
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	 <p>The diagram shows a circular terminal block with four pins. Pin 1 is connected to a BN wire, Pin 2 to a WH wire, Pin 3 to a BU wire, and Pin 4 to a BK wire. The core color coding is: ① BN, ② WH, ③ BU, ④ BK.</p> <p>The wiring diagram shows an M12 socket with four pins labeled 1, 2, 4, and 3. Pin 1 is connected to a BN wire labeled L+. Pin 2 is connected to a WH wire labeled 4~20mA OUT. Pin 4 is connected to a BK wire labeled N.C. Pin 3 is connected to a BU wire labeled N.C.</p>

<p>PB1148 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...250bar 0...3625Psi 0...255 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure Liquid and gas</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>375</p>
<p>Burst pressure[bar]</p>	<p>500</p>
<p>Analogue output</p>	<p>4...20mA</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

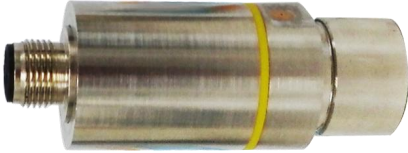
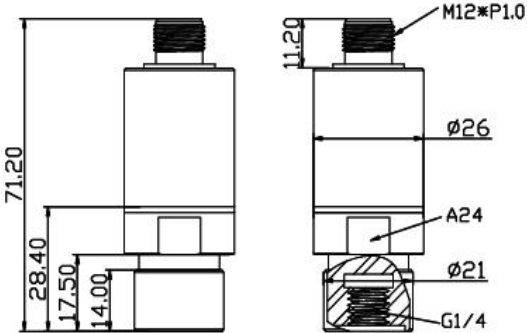
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring	
Core color	

<p>PB1149 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...400bar 0...5800Psi 0...408kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	500
Burst pressure[bar]	650
Analogue output	4...20 mA
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

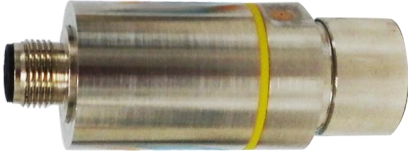
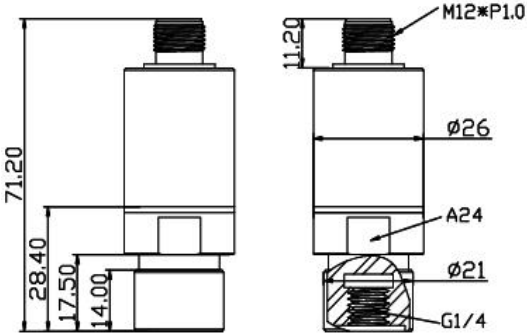
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	 

<p>PB1150 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...600bar 0...8700Psi 0...612 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure Liquid and gas</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>880</p>
<p>Burst pressure[bar]</p>	<p>880</p>
<p>Analogue output</p>	<p>4...20 mA</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>


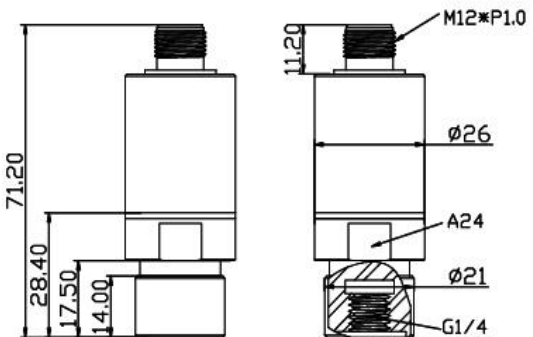
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color 	

<p>PB1160 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range -1...1bar -14...14Psi -1...1 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Negative pressure: corresponding pressure Liquid and gas</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>4</p>
<p>Burst pressure[bar]</p>	<p>5</p>
<p>Analogue output</p>	<p>0...10 V</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>


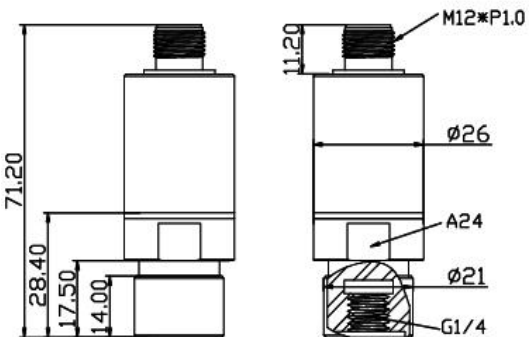
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows an M12 socket with four terminals labeled 1, 2, 4, and 3. Terminal 1 is connected to a black wire (BN) leading to L+. Terminal 2 is connected to a white wire (WH) leading to a potentiometer labeled O~10V. Terminal 4 is connected to a black wire (BK) leading to N.C. (Not Connected). Terminal 3 is connected to a blue wire (BU) leading to L-. A separate diagram shows the core color coding: a circular core with four terminals. Terminal 1 (top right) is BN, terminal 2 (top left) is WH, terminal 3 (bottom left) is BU, and terminal 4 (bottom right) is BK.</p>

<p>PB1161 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...2bar 0...29Psi 0...2 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	4
Burst pressure[bar]	8
Analogue output	0...10V
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

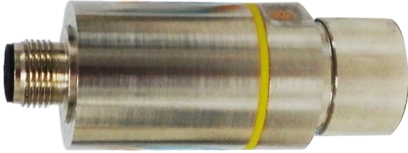
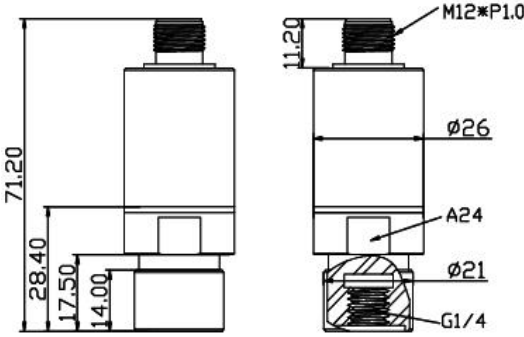
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Viton)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a square M12 socket with four terminals labeled 1, 2, 4, and 3. Terminal 1 is connected to a BN wire, terminal 2 to a WH wire, terminal 4 to a BK wire, and terminal 3 to a BU wire. The BN wire is connected to L+, the WH wire to a coil labeled O~10V, the BK wire to N.C. (No Connection), and the BU wire to L-. To the left, a circular core color coding diagram shows four positions: ① BN (top right), ② WH (top left), ③ BU (bottom left), and ④ BK (bottom right).</p>

<p>PB1162 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...5bar 0...73Psi 0...5 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	10
Burst pressure[bar]	20
Analogue output	0...10V
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

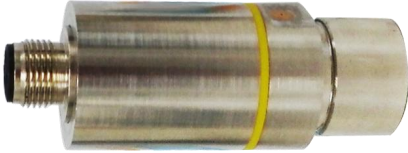
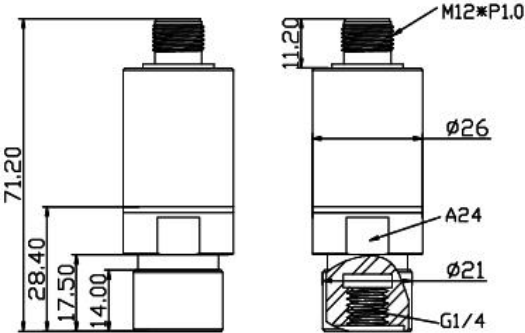
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Viton)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram illustrates the wiring for the sensor. On the left, a diamond-shaped sensor is shown with four terminals labeled 1, 2, 3, and 4. These are connected to an M12 socket with the following color coding: 1 (BN), 2 (WH), 3 (BU), and 4 (BK). The electrical connections are: BN to L+, WH to O~10V, BK to N.C. (Not Connected), and BU to L-. To the left of the main diagram, a circular core color coding diagram shows four terminals: 1 BN, 2 WH, 3 BU, and 4 BK.</p>

<p>PB1163 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...10ar 0...145Psi 0...10 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	20
Burst pressure[bar]	35
Analogue output	0...10V
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

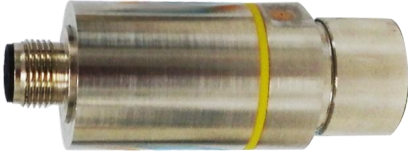
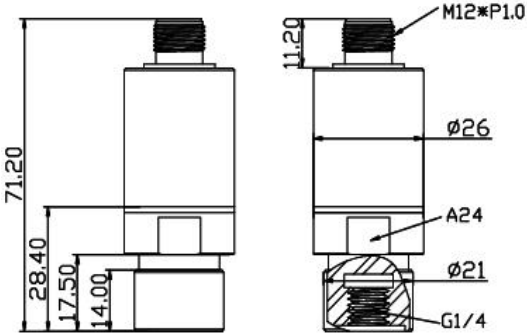
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a square M12 socket with four terminals labeled 1, 2, 4, and 3. Terminal 1 is connected to a brown (BN) wire leading to L+. Terminal 2 is connected to a white (WH) wire leading to a potentiometer labeled O~10V. Terminal 4 is connected to a black (BK) wire leading to the center terminal (N.C.) of the potentiometer. Terminal 3 is connected to a blue (BU) wire leading to L-. To the left, a circular core color coding diagram shows four terminals: 1 (BN) at the top, 2 (WH) on the left, 3 (BU) at the bottom, and 4 (BK) on the right.</p>

<p>PB1164 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...20bar 0...290Psi 0...20 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	40
Burst pressure[bar]	60
Analogue output	0...10V
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50


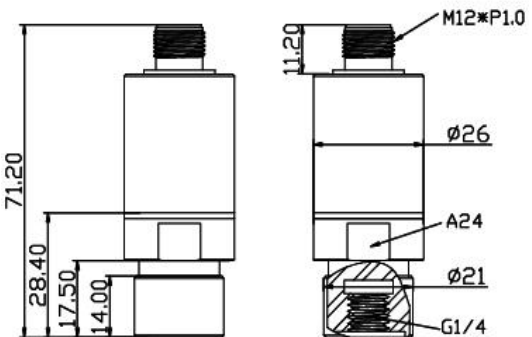
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Viton)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a diamond-shaped M12 socket with four pins labeled 1, 2, 4, and 3. Pin 1 is connected to a terminal labeled BN. Pin 2 is connected to a terminal labeled WH. Pin 4 is connected to a terminal labeled BK. Pin 3 is connected to a terminal labeled BU. The BN terminal is connected to L+, the WH terminal to a potentiometer labeled O~10V, the BK terminal to N.C. (Not Connected), and the BU terminal to L-. To the left, a circular core color coding diagram shows four terminals: ① BN (top right), ② WH (top left), ③ BU (bottom left), and ④ BK (bottom right).</p>

<p>PB1165 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...50bar 0...725Psi 0...50 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure Liquid and gas</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>100</p>
<p>Burst pressure[bar]</p>	<p>140</p>
<p>Analogue output</p>	<p>0...10V</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

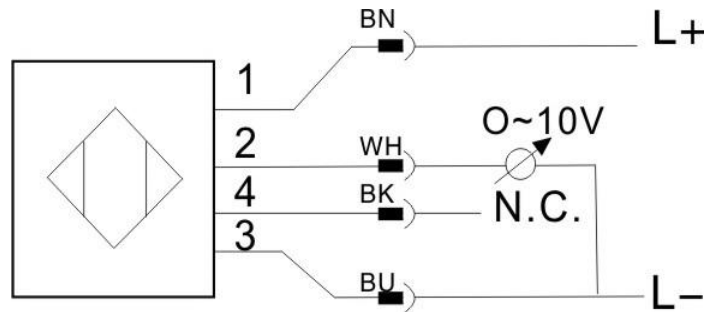
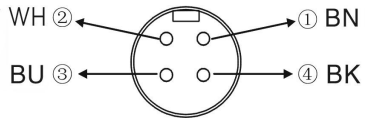
Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	


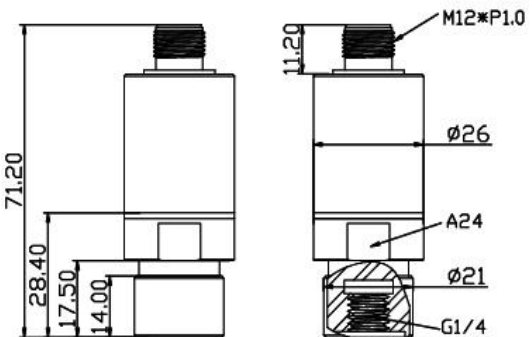
<p>PB1166 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...100bar 0...1450Psi 0...100 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure Liquid and gas</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>150</p>
<p>Burst pressure[bar]</p>	<p>300</p>
<p>Analogue output</p>	<p>0...10V</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a diamond-shaped core with four terminals labeled 1, 2, 4, and 3. Terminal 1 is connected to a BN (Brown) wire leading to L+. Terminal 2 is connected to a WH (White) wire leading to a terminal labeled O~10V. Terminal 4 is connected to a BK (Black) wire leading to a terminal labeled N.C. Terminal 3 is connected to a BU (Blue) wire leading to L-. A separate circular diagram shows the core color coding: WH (2) and BU (3) on the left, and BN (1) and BK (4) on the right.</p>


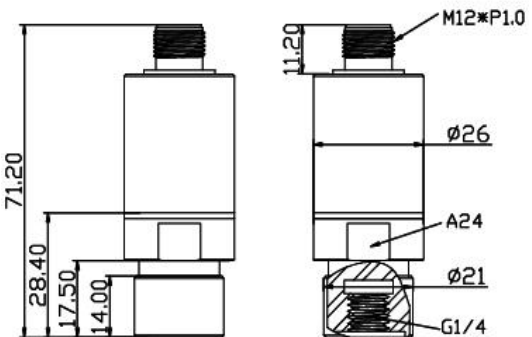
<p>PB1167 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...200bar 0...2900Psi 0...202 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	300
Burst pressure[bar]	400
Analogue output	0...10 V
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	


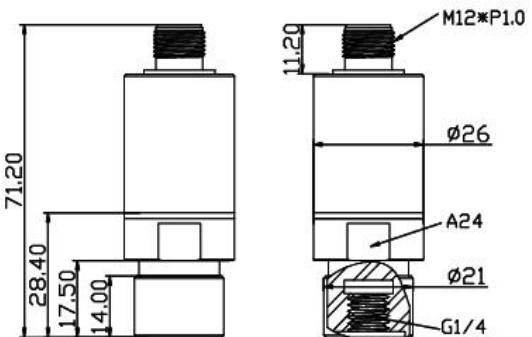


<p>PB1168 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...250bar 0...3625Psi 0...255 kgf/cm2</p>	 <p>CE RoHS</p>
<p>Applications</p>	<p>Pressure: corresponding pressure Liquid and gas</p>
<p>Supply voltage[V]</p>	<p>18...36DC</p>
<p>Reverse polarity protection</p>	<p>Yes</p>
<p>Voltage drop[V]</p>	<p><2</p>
<p>Current consumption[mA]</p>	<p><30</p>
<p>Overloading Pressure[bar]</p>	<p>375</p>
<p>Burst pressure[bar]</p>	<p>500</p>
<p>Analogue output</p>	<p>0...10V</p>
<p>Analogue output load[Ohm]</p>	<p>4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000</p>
<p>Consumption</p>	<p>0.72W Max</p>
<p>Final value measured[%]</p>	<p>< ±1</p>
<p>Measuring Accuracy[%]</p>	<p>±0.5</p>
<p>Output response time[ms]</p>	<p>3</p>
<p>Ambient temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Medium temperature [°C/°F]</p>	<p>-25...80/-13...176</p>
<p>Storage temperature[°C/°F]</p>	<p>-40...100/-40...212</p>
<p>Protection/Enclosure Rating</p>	<p>IP68</p>
<p>Insulation resistance[MΩ]</p>	<p>> 100(500 V DC)</p>
<p>Dimension[mm]</p>	
<p>ESD EN61000-4-2</p>	<p>4kV (Level 2)</p>
<p>EFT EN61000-4-4</p>	<p>2kV (Level 3)</p>
<p>Walkie talkie experiment[mm]</p>	<p><10</p>
<p>Shock resistance[g]</p>	<p>50</p>

Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Viton)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	<p>The diagram shows a square M12 socket with four terminals labeled 1, 2, 4, and 3. Terminal 1 is connected to a BN (Brown) wire leading to L+. Terminal 2 is connected to a WH (White) wire leading to a terminal labeled O~10V. Terminal 4 is connected to a BK (Black) wire leading to a terminal labeled N.C. Terminal 3 is connected to a BU (Blue) wire leading to L-. To the left, a circular core color diagram shows four terminals: 1 (BN), 2 (WH), 3 (BU), and 4 (BK).</p>

<p>PB1169 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...400bar 0...5800Psi 0...408 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
	Liquid and gas
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	500
Burst pressure[bar]	650
Analogue output	0...10V
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	

<p>PB1170 Compact Pressure Sensor M12 socket Connection: Internal thread G1/4 Analogue output Sensing range 0...600bar 0...8700Psi 0...612 kgf/cm2</p>	 <p>CE RoHS</p>
Applications	Pressure: corresponding pressure
Supply voltage[V]	18...36DC
Reverse polarity protection	Yes
Voltage drop[V]	<2
Current consumption[mA]	<30
Overloading Pressure[bar]	880
Burst pressure[bar]	880
Analogue output	0...10V
Analogue output load[Ohm]	4...20 mA : Max (Ub-10V) x 50 / 0...10V : Min 2000
Consumption	0.72W Max
Final value measured[%]	< ±1
Measuring Accuracy[%]	±0.5
Output response time[ms]	3
Ambient temperature [°C/°F]	-25...80/-13...176
Medium temperature [°C/°F]	-25...80/-13...176
Storage temperature[°C/°F]	-40...100/-40...212
Protection/Enclosure Rating	IP68
Insulation resistance[MΩ]	> 100(500 V DC)
Dimension[mm]	
ESD EN61000-4-2	4kV (Level 2)
EFT EN61000-4-4	2kV (Level 3)
Walkie talkie experiment[mm]	<10
Shock resistance[g]	50

Vibration resistance[g]	20
Housing material	Stainless steel 304
Probe material/Wetted Parts	V2A(1.4305)/Ceramic/FPM(Vition)/Probe:Stainless steel 316L
Connection	M12 socket
Wiring Core color	