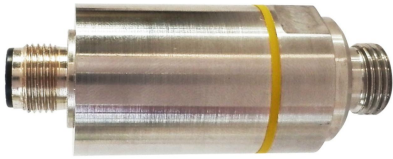
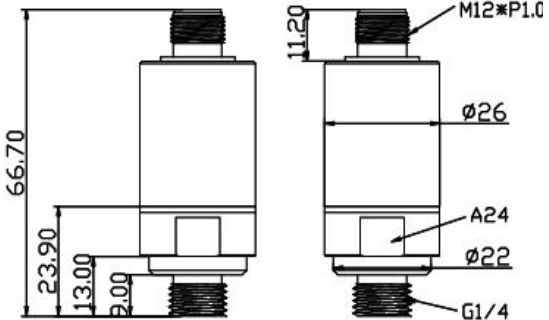
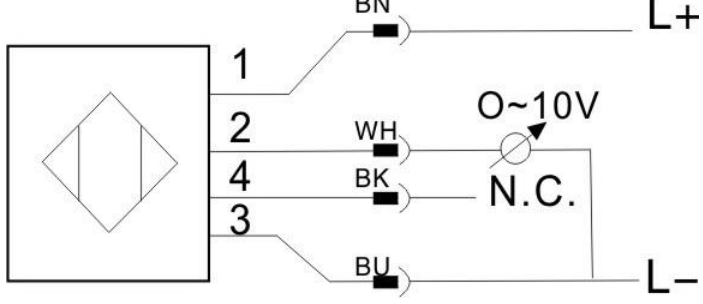


|                                                                                                                                                                                                            |                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| <p>PB2163</p> <p>Compact Pressure Sensor</p> <p>M12 socket</p> <p>Connection: External thread G1/4</p> <p>Analogue output</p> <p>Sensing range</p> <p>0...10bar</p> <p>0...145Psi</p> <p>0...10kgf/cm2</p> |  <p>CE RoHS</p> |
| Applications                                                                                                                                                                                               | <p>Pressure: corresponding pressure</p> <p>Liquid and gas</p>                                     |
| 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]                                                                                                                                                                                  | Min 2000                                                                                          |
| Consumption                                                                                                                                                                                                | 0.72W Max                                                                                         |
| Final value measured[%]                                                                                                                                                                                    | < ±1                                                                                              |
| Measuring Accuracy[%]                                                                                                                                                                                      | ±1                                                                                                |
| 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<br>Core color        |  |



Akdeniz Mekatronik San.Tic.Ltd.Şti  
 Yeşiloba Mahallesi 46290 Sk. No:4 Adana/Türkiye  
 Tel. +90 322 428 11 44  
 E-mail: info@akdenizmekatronik.com.tr