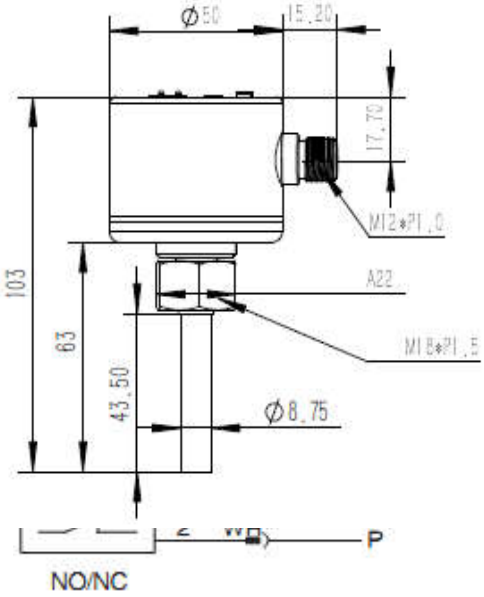
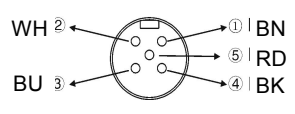


|  |   |
|--|---|
| <p>FL6012</p> <p>Smart Flow Sensor</p> <p>Stainless Steel Housing</p> <p>Seal Plus structure</p> <p>Connection:</p> <p>Internal thread M18 x 1.5</p> <p>Programmable</p> <p>M12 socket</p> <p>Probe Length:100mm</p> |   |
| Applications   | Liquid and gas  |
| Electric design  | NPN NO/NC   |
| Supply voltage[V]  | 20...36 DC  |
| Output   | NO    NC  |
| Max. overload current[mA]  | 400   |
| short-circuit protection   | Yes   |
| Reverse polarity protection  | Yes   |
| Overload protection  | Yes   |
| Voltage drop[V]  | 2.5   |
| Current consumption[mA]  | <80   |
| Max. temperature drift[K/min]  | 300   |
| Pressure resistance[bar]   | 300   |
| Liquid setting range[cm/S]   | 3...300   |
| Max sensitivity of range for liquid[cm/S]  | 3...100   |
| Gas setting range[cm/S]  | 200...3000  |
| Max sensitivity of range for gas[cm/S]   | 200...800   |
| Startup time[s]  | < 8   |
| Output response time[s]  | < 2   |
| Ambient temperature[°C/°F]   | -25...80/-13...176  |
| Environment temperature[°C/°F]   | -25...80/-13...176  |
| Storage temperature[°C/°F]   | -25...100/-13...212   |
| Protection/Enclosure Rating  | IP68  |
| ESD EN61000-4-2  | 6kV-CD / 8kV-AD   |
| EFT EN61000-4-4  | 2kV   |
| Surge immunity test EN61000-4-5  | 1kV   |
| Shock resistance[g]  | 50  |
| Vibration resistance[g]  | 20  |
| Upper cover material   | Stainless steel 316L  |

|                             |  |
|-----------------------------|--|
| Lower cover material        | Stainless steel 304  |
| Probe material/Wetted Parts | Stainless steel 316L   |
| Connection                  | M12 socket   |
| Dimensions[mm]              |  <p>NO/NC</p> <p>NO or NC setting via the menu</p> |
| Wiring<br>Core color        |   |



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