

# PFM1-BN-2H Cut Sheet



Micro Detectors inductive proximity sensor, tubular, 12mm diameter x 64.8mm body, 316L stainless steel housing, NPN, N.O./N.C. complementary outputs, 4mm sensing distance, non-flush, 2 kHz switching frequency, IP67 IP68 IP69K, 4-pin M12 quick-disconnect.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/PFM1-BN-2H>

## Technical Specifications

|                         |                                 |
|-------------------------|---------------------------------|
| <b>Brand</b>            | Micro Detectors                 |
| <b>Item</b>             | Proximity sensor                |
| <b>Sensor Type</b>      | Inductive                       |
| <b>Application</b>      | Food and beverage               |
| <b>Shape</b>            | Tubular                         |
| <b>Housing Size</b>     | 12mm diameter x 64.8mm body     |
| <b>Housing Material</b> | 316L stainless steel            |
| <b>Barrel Type</b>      | Threaded                        |
| <b>Sensing Method</b>   | Standard sensing                |
| <b>Adjustable</b>       | No                              |
| <b>Number of Wires</b>  | 4                               |
| <b>Switching Output</b> | NPN                             |
| <b>Operation Mode</b>   | N.O./N.C. complementary outputs |

|                               |                            |
|-------------------------------|----------------------------|
| <b>Sensing Distance</b>       | 4mm                        |
| <b>Mounting Type</b>          | Non-flush                  |
| <b>IO-Link Compatible</b>     | No                         |
| <b>Switching Frequency</b>    | 2 kHz                      |
| <b>Operating Voltage</b>      | 10-30 VDC                  |
| <b>Operating Temperature</b>  | -40 to 80C                 |
| <b>Weld Field Immune</b>      | No                         |
| <b>Chip Immune</b>            | No                         |
| <b>IP Rating</b>              | IP67 IP68 IP69K            |
| <b>Connection</b>             | 4-pin M12 quick-disconnect |
| <b>Includes</b>               | Mounting hardware          |
| <b>Additional Information</b> | Purchase cable separately  |

## Agency Approvals

|                             |  |
|-----------------------------|--|
| <b>UL Listed File #</b>     | E187310                                |
| <b>UL Recognized File #</b> | None                                   |
| <b>UL Hazardous File #</b>  | None                                   |
| <b>CE</b>                   | <a href="#">View CE declarations</a>   |
| <b>CSA File #</b>           | None                                   |
| <b>RoHS Status</b>          | Yes (See CE Doc)                       |
| <b>EU REACH</b>             | <a href="#">View EU REACH document</a> |

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/PFM1-BN-2H.pdf>  
See store item page for other formats.