

BSP004H

Industrial automation components

Manufacturer	Balluff
Catalog number	bsp004h
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Measuring Range	-1 to 10 bar
Accuracy	±0.5% FS0 BFSL %
Overload Pressure	20 bar
Burst Pressure	35 bar
Operating Voltage	18 to 36 VDC
Switching Output	2x PNP NO/NC –
Connection	M12x1 male, 4-pin –
Process Connection	G 1/4" (DIN 3852) –
Process Connection Material	1.4301 stainless steel –
Gasket Material	FKM –
Housing Material	PA 6.6 –
Media Temperature	-25 to 125 °C

Description

The Balluff BSP004H is a digital pressure sensor designed for precise pressure measurement in industrial applications. It offers a measuring range from -1 to 10 bar, with an accuracy of ±0.5% FS0 BFSL, ensuring reliable and accurate pressure readings. The sensor is built to withstand high-pressure conditions, featuring an overload pressure of 20 bar and a burst pressure of 35 bar. It operates within a voltage range of 18 to 36 VDC, making it suitable for various industrial environments. The BSP004H is equipped with two PNP normally open/normally closed (NO/NC) switching outputs, providing flexibility in integration with different control systems. Its M12x1 male, 4-pin connector ensures secure and standardized electrical connections. The process connection is G 1/4