

DATASENSING SS/SP SERIES M18 PHOTOELECTRIC SENSOR WITH LATERAL ADJUSTMENT

SS0/0N-0A

BGS 50mm NPN L/D plast. cable 2m axial

- Sensing distance up to 14m
- PBT (plastic) / nicked plated brass / PC (cable exit)
- LO/DO selectable output
- IP67 protection degree for all models
- ATEX models, cat. 3, available on request



PRODUCT DESCRIPTION

The **SS/SP Series M18 Photoelectric Sensor** from Datasensing (formerly Micro Detectors) provide highly reliable solutions for industrial automation, featuring a range of optic functions to suit various detection needs. These sensors are available in polarized retro-reflective, diffuse proximity, and background suppression models, ensuring versatility across a wide variety of industrial applications. Whether you're detecting objects, counting items, or measuring distances in a factory or warehouse setting, the SS/SP Series delivers excellent performance.

Designed with lateral adjustment, the SS/SP sensors allow for precise positioning and alignment during installation, providing enhanced flexibility for applications that require fine-tuned adjustments. The sensors are available with either a 2m embedded cable or M12 connector, allowing for easy integration into industrial control systems. With options for plastic or metal housing, the SS/SP Series can be used in a range of environments, from standard factory settings to harsher conditions that require added durability and protection.

The M18 barrel housing ensures the SS/SP Series offers excellent mounting flexibility, making it easy to install in tight spaces or custom configurations. This classic housing design ensures a secure fit in a wide variety of industrial setups, including conveyor systems, robotics, material handling, and assembly lines. The robust construction provides added protection against dust, moisture, and mechanical wear, making these sensors ideal for industrial environments with demanding operational conditions.

Technical features:

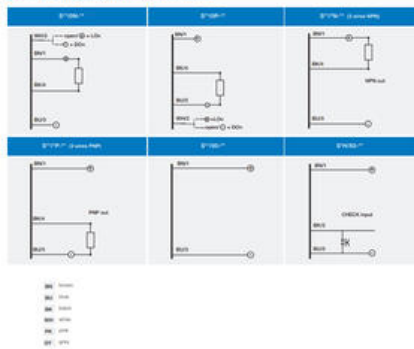
- Sensor Types: Polarized retro-reflective, diffuse proximity and background suppression
- Housing: M18 barrel housing for excellent mounting flexibility, fitting easily into various industrial installations or available in plastic or metal housing for durability and environmental protection.
- Adjustment: Lateral adjustment for precise positioning and alignment during installation, offering better flexibility and adaptability.
- Connection Options: 2m embedded cable or M12 connector, providing easy integration with industrial control systems.
- Operating Voltage: 24V DC, compatible with a wide range of industrial control systems.
- Output Type: PNP or NPN output options for flexibility with different control systems.
- Detection Range: Reliable sensing across various distances depending on the specific sensor function (e.g., retro-reflective, proximity, or background suppression).
- Environmental Protection: Built to resist dust, moisture, and mechanical wear, making it suitable for harsh industrial environments.
- Applications: Ideal for use in material handling, sorting systems, automated manufacturing, packaging, and robotics.
- Response Time: Fast response times, making it suitable for high-speed applications and quick object detection.

TECHNICAL DATA

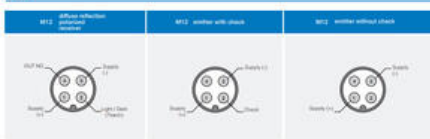
| | |
|-----------------------|----------|
| Distance max | 50 mm |
| Electrical connection | 2m Cable |
| Housing | M18 |

| | |
|-----------------------|-------------------------|
| IP class | IP67 |
| LED indication | Yes |
| Material of body | PBT |
| Output | LO / DO Selectable, NPN |
| Photocell technology | Background suppression |
| Supply voltage dc max | 30 V DC |
| Supply voltage dc min | 10 V DC |

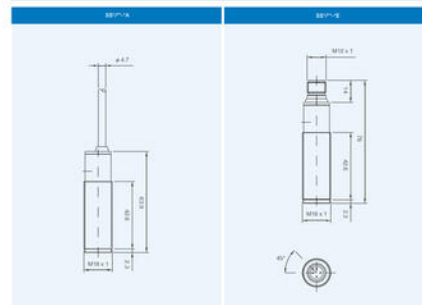
electrical diagrams of the connections



plug



dimensions (mm)

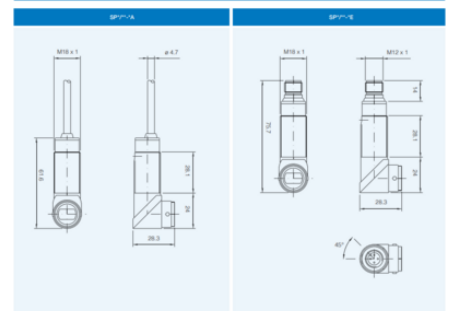


dimensions (mm)

accessories included in all plastic models



dimensions (mm)

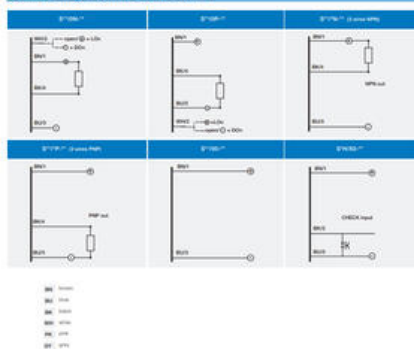


dimensions (mm)

accessories included in all metallic models



electrical diagrams of the connections



plug

