

S15 SERIES

The new S15 series of M18 tubular sensors offers both plastic case version S15-PA and stainless steel IP69K housing version S15-NA. S15-PA plastic version is recommended for cost and space savings with a wide selection of optic functions, ranging from 5 m retroreflex to 1 m diffuse proximity and 12 cm background suppression. Each model is available with or without trimmer setting to fit the most varied applications in assembling and conveyor lines, processing and packaging machinery.

In order to maximize the installation flexibility, the sensor connectivity is available with 2 m cable, M12 4-pole connector or even a pig-tail version. A dedicated input allows the Light/Dark model selection.

S15-NA metal version include a widest optic function selection, all equipped with trimmer setting and metal M12 connector to improve the sensor robustness.

Thanks to the IP69K protection to frequent washdowns and corrosion-resistant AISI316L stainless steel housing, these sensors are recommended for processing and packaging machinery in food, beverage, dairy, and pharmaceutical industries, as well as paper and printing machinery, conveyor lines, and material handling in general.

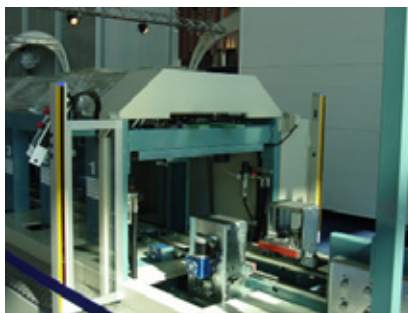
HIGHLIGHTS

- Plastic short case version for cost and space saving
- Stainless steel case version for IP69K protection
- All optic functions at optimal operating distance
- Models with fixed setting or trimmer adjustment
- Cable, M12 connector and pig-tail versions

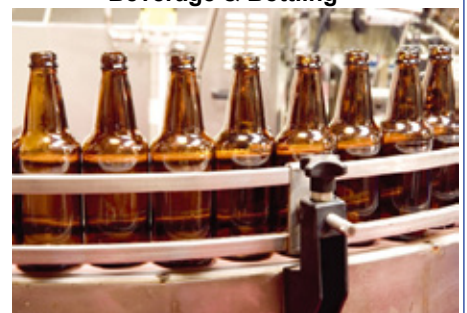


APPLICATIONS

Ceramics



Beverage & Bottling



Transportation lines



Packaging lines for food and pharma



INSTALLATION

The sensor can be fixed by means of the M18x1 threaded body using CH.24 nuts (1.5 Nm maximum tightening torque) or low-profile flared nut provided specifically supplied for various orientable fixing brackets are available to ease sensor positioning (please refer to the accessories listed in the general catalogue).

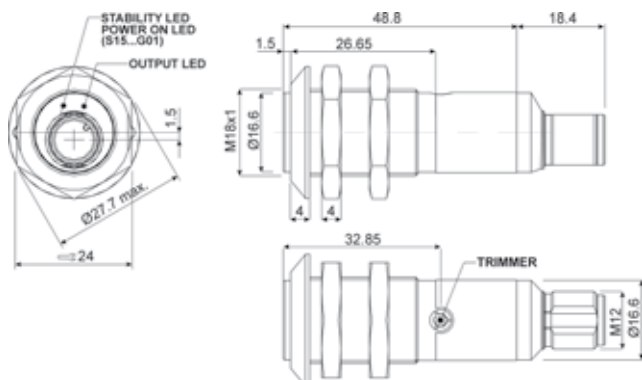
The operating distance is measured from the front surface of the sensor lens. Proximity (C and D) models: the object has to be moved closer or further away from the front surface of the sensor lens to improve detection. In case of lateral translation, the object must move as indicated in the figure.

In models with the sensitivity trimmer and the green LED (STABILITY), we can obtain an optimal installation. Turn the trimmer and move sensor until the yellow LED (OUT) and the green LED (STABILITY) switch ON permanently, in order to mount the sensor in the correct position.

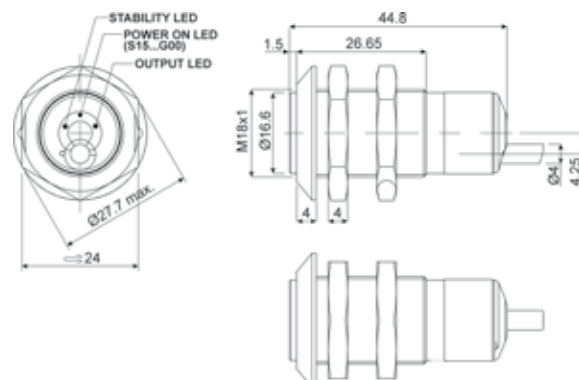


DIMENSIONS

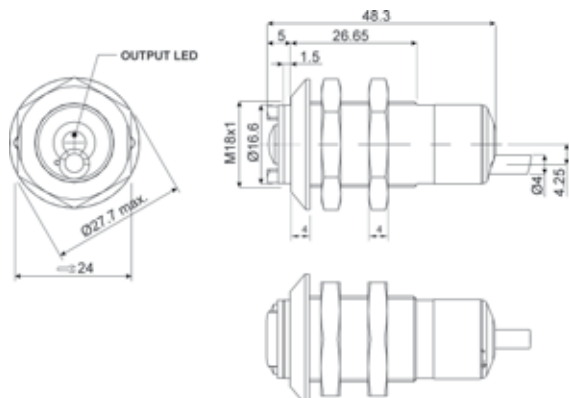
S15-PA/NA-5



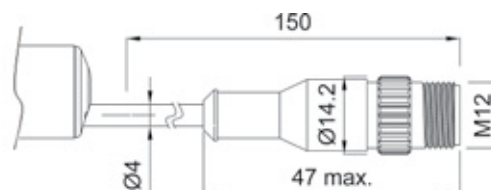
S15-PA-2/3



S15-PA-2/3-D50



S15-PA-3 (pig-tail)

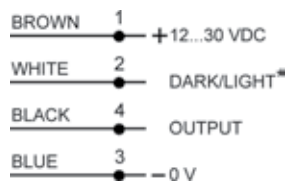


dimensions in mm

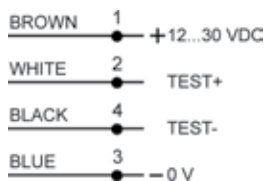
CONNECTIONS

Cable and Pig Tail

S15...A00/B00/C00/C10/F00/D50

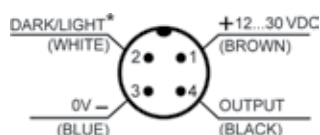


S15...G00

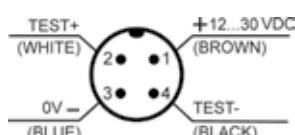


M12 Connector

S15...A01/B01/C11/C31/T01/F01



S15...G01



* in case of white wire or pin 2 not connected the sensor operates in LIGHT mode for the proximity models (S15...Cxx/D50) and in DARK mode for the retroreflex (S15...A0x/B0x/T01) and receiver models (S15...F0x).