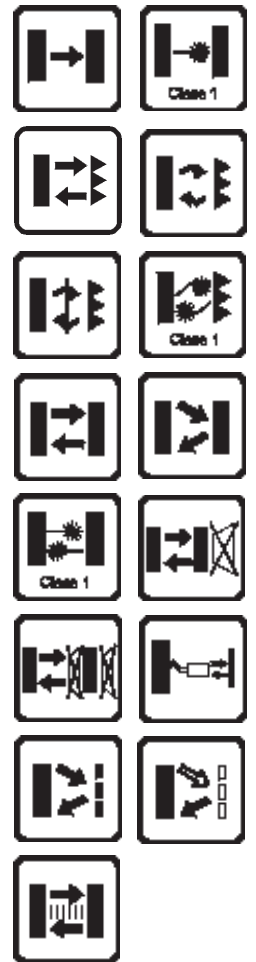


M18 MULTIFUNCTION OPTOELECTRONIC SENSORS



- *Complete range of optic functions, universal, application and laser class 1*
- *Flat plastic tubular housing for improved versatility or metal cylindrical housing*
- *Versions with axial or radial optics, with fixed, trimmer or EASYtouch™ teach-in adjustment*
- *Cable or M12 connection with EN standard NPN or PNP NO-NC configuration*



one for all

S50 SERIES

The **S50** series offers virtually all optical functions within an M18 housing. With the universal sensing functions of proximity, polarised retroreflex and through beam, which are also available with class 1 laser emission, as well as the more advanced functions of background suppression, background/foreground suppression, analogue displacement, contrast and luminescence, the **S50** really is one housing for all applications.

The **S50** setting is carried out by either by potentiometer, which is sealed to IP67, or using the patented *EASYtouch*™ push-button teach system, which gives rapid and precise automatic setting of the switching points.

The **S50** series is available both in flat plastic format ideal for M18 nut or screw mounting through the sensor body, as well as a cylindrical metallic housing. Axial or radial optics are available in both housings with integral cable or M12 connection conforming to EN 60947-5-2, the European wiring standard. The performance, versatility and extensive optical sensing options, positions the **S50** series as the new bench mark for customers focused on the evolution of technology and development of standards.

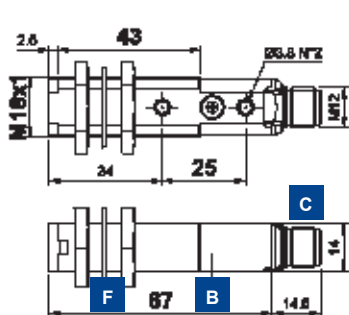
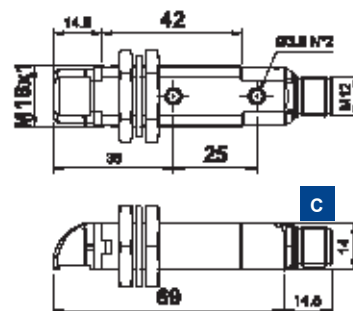
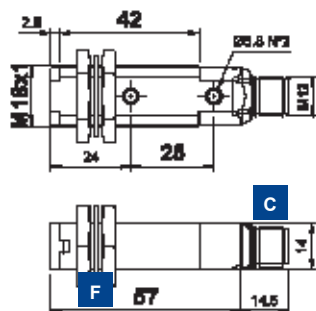
G/F THROUGH BEAM WITH INFRARED EMISSION

Longer operating distances can be obtained utilising separate emitter and receiver units. The infrared emission is modulated to avoid interference with other light sources and the emitter is fitted with test inputs for remote system interrogation.

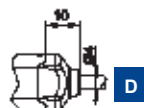
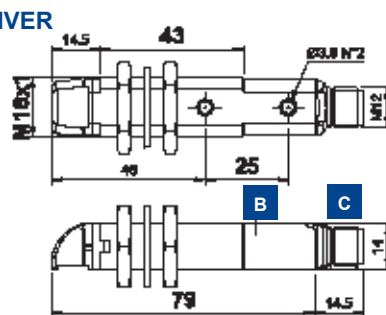


DIMENSIONS

EMITTER

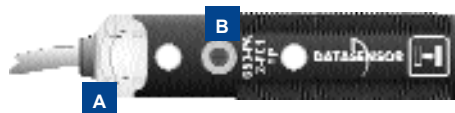


RECEIVER



INDICATORS AND SETTINGS

RADIAL OPTICS



- A** OUTPUT status and stability LEDs (receiver); power on LED (emitter)
- B** Adjustment trimmer (receiver)
- C** M12 connector output
- D** Cable output
- E** Fixing nuts
- F** Fixing gasket

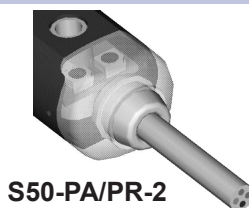
Single-turn trimmer for sensitivity adjustment. Rotate in a clockwise direction to increase the operating distance.

ACCESSORIES

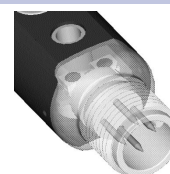
For **dedicated accessories** refer to the **ACCESSORIES** section of this catalogue.

Refer also to **Connectors (A.03)** and **Fixing brackets (A.04)** of the **General Catalogue**.

CONNECTIONS

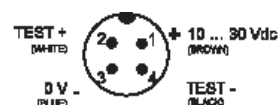
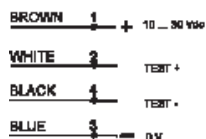


S50-PA/PR-2

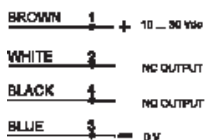


S50-PA/PR-5

EMITTER



RECEIVER



Versions and options: refer to **MODEL ALPHABETICAL INDEX** of this catalogue.