

## DATALOGIC - S65-M - DISTANCE SENSOR

S65-PA-5-M13-00

S65-PA-5-M13-00 TOF BGS IR LED NPN/PNP

- Range up to 5m with Time of Flight technology
- Infrared LED for detection, green LED for alignment
- PNP/NPN outputs
- I/O link models available
- IP67 protection



### PRODUCT DESCRIPTION

S65-M is the new long range background suppressor based on Time Of Flight technology. The S65-M can easily detect objects at a distance up to 5m and is ideal for precise and reliable detection applications.

Innovative system on chip technology and risk-free infrared LED emission deliver valuable cost and safety advantages when compared to laser products. Sensor alignment is quick and easy with the embedded green LED pointer.

The S65-M user interface is simple and intuitive. Product connectivity is flexible and complete with two user configurable outputs driving PNP or NPN loads; models with IO-Link V1.1 connection are also available.

The rugged and compact 50 x 50 x 24 mm housing with IP67 protection makes the S65-M the ideal product for automated warehouses, palletisers, automotive, transport & logistic, packaging applications and conveyor Lines.

### FEATURES & BENEFITS

- Long Range background suppression detection up to 5 m
- Cost effective solution for precise and reliable detection
- Risk-free Infrared LED emission and embedded green LED pointer
- Two independent fully programmable outputs
- NPN/PNP or IO-Link connection models
- Rugged plastic housing in compact 50 x 50 x 24mm format

### APPLICATIONS

- Presence of all medium and large sized objects on conveyors
- Critical object detection in front of problematic background
- Positioning tasks in palletizing
- Position limiter for deck and robot in automotive manufacturing
- Collision prevention limit switch for AGV applications

## SPECIFICATIONS

Approvals

CE, UL

|                                 |                        |
|---------------------------------|------------------------|
| Dimension (mm)                  | 50 x 50 x 25           |
| Distance Max                    | 5000 mm                |
| Distance Min                    | 100 mm                 |
| Electrical connection           | M12 5 pole connector   |
| Function                        | Dark On/Light On       |
| IP Class                        | IP67                   |
| LED indicator                   | Yes                    |
| Lens material                   | PMMA                   |
| Light type                      | Green LED, IR LED      |
| Material of body                | ABS plastic            |
| Output                          | NPN, PNP               |
| Output current max              | 0,1 A                  |
| Photocell technology            | Background suppression |
| Reaction time                   | 8,5 ms                 |
| Supply voltage                  | 24 V DC                |
| Temperature range bearing, from | -25 °C                 |
| Temperature range bearing, to   | 70 °C                  |
| Temperature range from          | -15 °C                 |
| Temperature range to            | 55 °C                  |
| Type of light                   | LED                    |
| Weight                          | 50 g                   |



