



## Fixed or adjustable, synchronised photocells with BlueBUS technology.

**The MOFB and MOFOB photocells** are obstacle detectors which make it possible to detect obstacles on the optical axis between a transmitter (TX) and a receiver (RX), type D according to Standard EN12453. They can be used in automations for gates and doors.

These devices are equipped with a **Nice BlueBUS** communication system which makes it easy to connect all the devices up to the control units using two wires only. They are all quite simply connected up in parallel, and the addressed jumpers selected according to the function required.

**Cutting-edge technology:** an anti-blinding circuit that makes it possible to solve the problem of interference between the detectors and automatic synchronisation between several couples of photocells.

The **MOFOB** version, which can be adjusted, will solve the problem of compensating centring gaps up to 30°.

**IB Interface:** enables the user to connect obstacle detectors using BlueBUS technology (MOFB and MOFOB photocells) and control units with inputs for traditional, photocell contacts. The system automatically recognizes the devices connected to the BlueBUS network. The phototest function enables users to achieve Safety Category 2 against faults according to Standard EN 954-1.



Code	Description
<b>MOFB</b>	Surface-mounted pair of photocells for connection by Nice BlueBUS
<b>MOFOB</b>	Pair of adjustable 30°, surface-mounted photocells for connection by Nice BlueBUS
<b>IB</b>	Interface for connecting BlueBUS MOFB and MOFOB photocells up to control units which have not been manufactured for this purpose

## Technical specifications

	Power supply/output	Adjustability of the photocell	Estimated range (m)	Protection rating (IP)	Working temp. (°C Min/Max)	Dimensions (mm)	Weight (g)
<b>MOFB</b>	the device can only be connected to "BlueBUS" networks, from which it receives its power supply and sends output signals	-	up to 15 m for a maximum TX-RX misalignment of ± 5° (the device can detect and signal an obstacle even in particularly bad weather conditions)	55	-20 ÷ +55	69x25x78 h	50
<b>MOFOB</b>		approximately 30° along the horizontal and vertical axes				69x37x78 h	75

	Power supply	Current draw with 24 Vdc power supply	Current draw with 24 Vdc power supply	BlueBUS output	Protection rating (IP)	Working temp. (°C Min/Max)	Dimensions (mm)	Weight (g)
<b>IB</b>	16÷35 Vdc 18÷28 Vac	50 mA (add approx. 50 mA for each pair of photocells)	44 mA (add approx. 44 mA for each pair of photocells)	one with maximum load of 9 BlueBUS units	30	-20 ÷ +55	86x58x22 h	72