# ERA PHOTOCELL M

NEW BLUEBUS

## Synchronized photocells Medium, fixed or positionable, also with Nice BlueBUS technology.

**Safe:**
D type device according to specification EN12453 which allows to pick-up obstacles on the optical axis between transmitter (TX) and receiver (RX).

Using the fototest function it is possible to achieve class 2 safety fault according to specification EN 954-1.

**Cutting-edge technologies:**
antiglare circuit which eliminates possible sunlight interference.

**Practical:**
10° angle of reception. The positionable versions allow for the compensation of centering gaps up to 30°.

The models EPM, EPM0, EPMA and EPMA0 provide for 2 range levels.

**Resistant and vandal-proof:**
ABS body resistant to weather conditions, available also in burglar-resistant version with metal shell.

**Nice BlueBUS technology:**
all models are available with the BlueBUS system, which allows an easy connection to the control unit of all devices with only two wires, by simply connecting them in parallel and selecting the jumpers for addressing according to the needed function. The system acquires automatically the devices connected to the BlueBus network.

Automatic synchronization between multiple photocell pairs in order to avoid other possible interferences between the devices.

**IB interface:**
allows the connection of photocells with Nice BlueBUS technology to control units having terminals for traditional contacts.

**EPM**
**EPMB**



**EPM0**
**EPM0B**

**EPMA**
**EPMAB**

**EPMA0**
**EPMA0B**

## PHOTOCELLS

| CODE | DESCRIPTION | PCS./PACK. |
|---|---|---|
| **EPM** | PAIR OF OUTDOOR PHOTOCELLS | 1 |
| **EPMO** | PAIR OF OUTDOOR PHOTOCELLS, 30° POSITIONABLE | 1 |

## PHOTOCELLS WITH NICE BLUEBUS TECHNOLOGY

| CODE | DESCRIPTION | PCS./PACK. |
|---|---|---|
| **EPMB** | PAIR OF OUTDOOR PHOTOCELLS, FOR CONNECTIONS VIA NICE BLUEBUS NETWORK | 1 |
| **EPMOB** | PAIR OF OUTDOOR PHOTOCELLS, 30° POSITIONABLE, FOR CONNECTIONS VIA NICE BLUEBUS NETWORK | 1 |

## PHOTOCELLS - BURGLAR-RESISTANT METAL BODY

| CODE | DESCRIPTION | PCS./PACK. |
|---|---|---|
| **EPMA** | PAIR OF OUTDOOR PHOTOCELLS, BURGLAR-RESISTANT METAL BODY | 1 |

## PHOTOCELLS - BURGLAR-RESISTANT METAL BODY WITH NICE BLUEBUS TECHNOLOGY

| CODE | DESCRIPTION | PCS./PACK. |
|---|---|---|
| **EPMAB** | PAIR OF OUTDOOR PHOTOCELLS, FOR CONNECTIONS VIA NICE BLUEBUS NETWORK, BURGLAR-RESISTANT METAL BODY | 1 |

## PHOTOCELLS - POSITIONABLE BURGLAR-RESISTANT METAL BODY

| CODE | DESCRIPTION | PCS./PACK. |
|---|---|---|
| **EPMAO** | PAIR OF OUTDOOR PHOTOCELLS, 30° POSITIONABLE, BURGLAR-RESISTANT METAL BODY | 1 |

## PHOTOCELLS - BURGLAR-RESISTANT POSITIONABLE METAL BODY WITH NICE BLUEBUS TECHNOLOGY

| CODE | DESCRIPTION | PCS./PACK. |
|---|---|---|
| **EPMAOB** | PAIR OF OUTDOOR PHOTOCELLS, 30° POSITIONABLE, BURGLAR-RESISTANT METAL BODY, FOR CONNECTIONS VIA NICE BLUEBUS NETWORK | 1 |

## ACCESSORIES

| CODE | DESCRIPTION | PCS./PACK. |
|---|---|---|
| **IB** | INTERFACE FOR PHOTOCELL BLUEBUS CONNECTION TO NON PREPARED STATIONS | 1 |

## TECHNICAL SPECIFICATION

| | Estimated range (m) | Power supply | Absorption (mA) | Photocell adjustability | Protection class (IP) | Operating temperature (°C Min/Max) | Relay range | Dimensions (mm) | Weight (g) |
|---|---|---|---|---|---|---|---|---|---|
| **EPM** | 15 (30 with jumper + "10" cut) | without jumper 24 Vac/Vdc limits: 18-35 Vdc, 15-28 Vac with 12 Vac/Vdc jumper limits: 10-18 Vdc, 9-15 Vac | 25 RX, 30 TX | - | 44 | -20 - +50 | max 500 mA and 48 V | 50x29x80 h | 140 |
| **EPMO** | | | | 30° approx. on the all axes | | | | 50x38x80 h | 160 |
| **EPMA** | | | | - | | | | 50x31x80 h | 480 |
| **EPMAO** | | | | 30° approx. on the all axes | | | | 50x38x80 h | 530 |

## TECHNICAL SPECIFICATIONS WITH NICE BLUEBUS TECHNOLOGY

| | Estimated range (m) | Electric power supply output | Photocell adjustability | Protection class (IP) | Operating temperature (°C Min/Max) | Dimensions (mm) | Weight (g) |
|---|---|---|---|---|---|---|---|
| **EPMB** | up to 15 for offset maximum TX-RX ± 5 (the device can signal an obstacle also in adverse weather conditions) | the device may be connected only to networks "BlueBUS" from which receives the electrical and transmits the signals output power supply | - | 44 | -20 - +50 | 50x29x80 h | 140 |
| **EPMOB** | | | 30° approx. on the all axes | | | 50x38x80 h | 160 |
| **EPMAB** | | | - | | | 50x31x80 h | 480 |
| **EPMAOB** | | | 30° approx. on the all axes | | | 50x38x80 h | 530 |

| | Power supply | Absorption with power pack 24 Vdc | Absorption with power pack 24 Vac | Output BlueBUs | Protection class (IP) | Operating temperature (°C Min/Max) | Dimensions (mm) | Weight (g) |
|---|---|---|---|---|---|---|---|---|
| **IB** | 16÷35 Vdc 18÷28 Vac | 50 mA (add approx. 50 mA for each photocell pair) | 44 mA (add approx. 40 mA for each photocell pair) | with a load of max 9 BlueBUS units | 30 | -20 - +50 | 86x58x22 h | 72 |

**IB**