Nice

Era Photocell M

Fixed or adjustable synchronised Medium photocells, including with Nice BlueBUS technology.

EPM
EPMB

EPMO
EPMOB

EPMA
EPMAB

EPMAO
EPMAOB

EPMOW

EPMOR
EPMORB

Available in anti-intrusion, reflective and wireless versions.

Safe: type D device in accordance with EN12453 able to detect obstacles in the optical axis between the transmitter (TX) and receiver (RX).

Using the phototest function, it is possible to achieve fault safety category 2 according to EN 954-1.

An anti-glare circuit eliminates possible interference from sunlight.

Fast easy installation: the wireless technology (EPMOW) eliminates the need to wire the photocells to the control unit and provide routing and cable ducts. The devices interface with the control unit through an ultra-compact dedicated module (IBW) which can be housed directly in the motor or the control unit if separate. Up to 7 devices with Nice BlueBUS technology can be connected to the same IBW interface.

Thanks to the reflective technology (EPMOR-EPMORB), just the main photocell needs to be wired and not the reflective mirror, saving time.

Integrated LED light in the EPMOR - EPMORB version: the optional ELMM LED light module can be installed in the EPMOR photocell to illuminate the transit area, act as a flashing light or provide diagnostic indications.

Universal system: EPMOR and EPMORB have a relay output for connection to any new or existing automation system.

Easy maintenance: EPMOW photocells have a diagnostic LED which indicates possible anomalies and battery status, facilitating installation and maintenance.

Practical: 10° reception angle. The adjustable versions allow up to 30° compensation for centring differences.

Resistant, also in anti-intrusion version: weather-resistant ABS body, also available with metal body.

Nice BlueBUS technology: available with the Nice BlueBUS system, allowing easy connection to the control unit of all devices with just two wires, simply by connecting them in parallel and selecting the addressing jumpers according to the required function. The system automatically acquires devices connected to the BlueBUS network.

Automatic synchronisation between several pairs of photocells to avoid other interference between devices.

BlueBus

PHOTOCELLS

Code	Description	Pcs./pack
EPM	Pair of surface mounted photocells	1
EPMO	Pair of surface mounted photocells, adjustable through 30°	1

PHOTOCELLS WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pcs./pack
EPMB	Pair of surface mounted photocells, for connection via Nice BlueBUS	1
EPMOB	Pair of surface mounted photocells, adjustable through 30°, for connection via Nice BlueBUS	1

WIRELESS PHOTOCELLS WITH BLUEBUS TECHNOLOGY

Code	Description	Pcs./pack
EPMOW	Pair of self-synchronised surface mounted wireless photocells	1

PHOTOCELLS WITH REFLECTIVE TECHNOLOGY

Code	Description	Pcs./pack
EPMOR	Surface mounted reflective photocell + reflective mirror	1

REFLECTIVE PHOTOCELLS WITH BLUEBUS TECHNOLOGY

Code	Description	Pcs./pack
EPMORB	Surface mounted reflective photocell with Nice BlueBUS technology + reflective mirror	1

PHOTOCELLS - ANTI-INTRUSION METAL BODY

Code	Description	Pcs./pack
EPMA	Pair of surface mounted photocells, anti-intrusion metal body	1

PHOTOCELLS - ANTI-INTRUSION METAL BODY WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pcs./pack
EPMAB	Pair of surface mounted photocells for connection via Nice BlueBUS, anti-intrusion metal body	1

PHOTOCELLS - ADJUSTABLE ANTI-INTRUSION METAL BODY

Code	Description	Pcs./pack
EPMAO	Pair of surface mounted photocells, adjustable through 30°	1

PHOTOCELLS - ADJUSTABLE ANTI-INTRUSION METAL BODY WITH NICE BLUEBUS TECHNOLOGY

Code	Description	Pcs./pack
EPMAOB	Pair of surface mounted photocells, adjustable through 30°, for connection via Nice BlueBUS	1

TECHNICAL SPECIFICATIONS

	Estimated range (m)	Power supply	Draw (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 24 VAC/VDC jumper 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				approx. 30° on all axes				50x38x80 h	160
EPMA				-				50x31x80 h	480
EPMAO				approx. 30° on all axes				50x38x80 h	530
EPMOR	8 (maximum range in optimum conditions 15)	12-24 V	50	approx. 10° on all axes				50x40x105 h	83

TECHNICAL SPECIFICATIONS WITH NICE BLUEBUS TECHNOLOGY

	Estimated range (m)	Power output	Photocell adjustability	Protection class (IP)	Operating temperature (°C Min/Max)	Dimensions (mm)	Weight (g)
EPMB	up to 15 for maximum TX-RX offset ± 5 (the device can signal an obstacle even in adverse weather conditions)	the device can only be connected to "BlueBUS" networks, from which it receives power and transmits the output signals	-	44	-20 ÷ +55	50x29x80 h	140
EPMOB			approx. 30° on all axes			50x38x80 h	160
EPMAB			-			50x31x80 h	480
EPMAOB			approx. 30° on all axes			50x38x80 h	530
EPMORB	8 (maximum range in optimum conditions 15)		-			50x40x105 h	83
EPMOW	20 (maximum range in optimum conditions 40)	3 VDC, with CR123 lithium battery	approx. 10° on the vertical axis			50x40x105 h	200

	Power supply	Draw with 24 VDC power supply	Draw with 24 VAC power supply	BlueBUS output	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 pair of photocells)	44 mA (add approx. 40 mA for each pair of photocells)	one with a max. load of 9 BlueBUS units	30	-20 ÷ +50	86x58x22 h	72

	Power supply	BlueBUS output	Protection class (IP)	Operating temperature (°C min./max.)	Dimensions (mm)	Weight (g)
IBW	by connection to the "BlueBUS" terminal on the automation control unit.	one with a max. load of 20 BlueBUS units	30	-20 ÷ +70	18 x 33 x 40 h	25

	Power supply	Power draw (W)	Protection class (IP)	Operating temperature (°C min./max.)	Dimensions (mm)	Weight (g)
ELMM	12-24 V	1	45	-20 ÷ +55	40 x 30 x 25 h	20

ACCESSORIES

Code	Description	Pcs./pack
IB	Interface for connecting BlueBUS photocells to control units without BlueBUS system	1
IBW	Interface through EPMOW and control units with Nice BlueBUS technology	1
ELMM	LED light module for EPMOR	1
POE	Wall support for Era photocells	1

IB

ELMM

POE