

# ILION

## MAIN FEATURES

ILION is a Type 2 safety photocell with M18 cylindrical **metal body**. The protection system can be composed of 1, 2, 3 or 4 single beam photocells connected to an AU SX standard or AU SXM control unit **with muting** (for details on the interface see AU SX and AU SXM control units).

The compact size of the photocells makes it possible to fit the protection system into very small spaces, while the possibility to use more photocells provides the maximum flexibility in positioning the protective beams.



Safety level: **Type 2**

(with AUS X or AUS XM control unit).

Complying with:

- 98/37/EEC "Machine Directive".
- 89/336/EEC "Electromagnetic Compatibility Directive".
- 73/23/EEC "Low Voltage Directive".
- EN 61496-1 and IEC 61496-1-2 "Electrosensitive protection devices".

## PHOTOELECTRIC SENSOR TECHNICAL DATA

Model	IL 10	IL 20
Safety	type 2 with control unit AUS X or AUS XM	type 2 with control unit AUS X or AUS XM
Minimum detectable object mm	12	12
Max range m	8	20
Number of photocells per control unit	from 1 to 4	from 1 to 4
Response time for each photocell ms	7	7
Output	2 PNP – 100 mA	2 PNP – 100 mA
Signalling	led status	led status
Power supply Vdc	24 ± 20%	24 ± 20%
Electrical connections	M12 - 4 poles for emitter and receiver	M12 - 4 poles for emitter and receiver
Max. cable length m	50 (between sensor and control unit)	50 (between sensor and control unit)
Operating temperature °C	0 ÷ 55	0 ÷ 55
Protection rating	IP 67	IP 67
Dimensions mm	Ø 18 x 85	Ø 18 x 85

ORDERING INFORMATION (for ordering codes see page 133)

**Each Ilion photocell includes:**

- Emitter and Receiver pair
- Multi-language instruction manual complete with CE declaration of conformity

ACCESSORIES

**The following connectors are available for the Ilion photocells, to be ordered separately:**

**Connectors for Ilion emitter and receiver**

Model	Description
CD 5	M12, straight connector, 5 poles, pre-wired cable 5 m
CD 10	M12, straight connector, 5 poles, pre-wired cable 10 m
CD 15	M12, straight connector, 5 poles, pre-wired cable 15 m
CD 20	M12, straight connector, 5 poles, pre-wired cable 20 m
CD 95	M12, 90° angle connector, 5 poles, pre-wired cable 5 m
CD 910	M12, 90° angle connector, 5 poles, pre-wired cable 10 m
CDM 915	M12, 90° angle connector, 5 poles, pre-wired cable 15 m
CDM 9	M12, straight connector, 5 poles with screw terminal, PG9 cable gland
CDM 99	M12, angle connector, 5 poles with screw terminal, PG9 cable gland

ADJUSTABLE FIXING BRACKET

Model	Description
IL FB	Set of 2 brackets

The IL FB bracket permits both vertical and horizontal adjustment of the optical axis of the photocell.

