

# ILION



# ULISSE

## MAIN FEATURES

ILION is a Type 2 safety photocell with M18 cylindrical metal body.

The photocells must be connected to control unit for example: standard AU SX or AU SXM control unit with Muting or Mosaic to form a protection system that can be composed of 1, 2, 3 or 4 single beam photocells. In case of connection with Mosaic safety controller, the number of photocells depends to the configuration of the protection system. (for details on the interface see AU SX, AU SXM and Mosaic 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.



## PHOTOELECTRIC SENSOR TECHNICAL DATA

Model	IL 10	IL 20
Ordering code	1200201	1200201
Safety level (with control unit AUS X or AUS XM)	Type 2 according to IEC/TS 61496-2 SIL 2 – SILCL 2 according to IEC 61508 - IEC 62061 PL d – Cat. 2 according to ISO 13849-1 (With a control unit AU XS, AU SXM or Mosaic)	
Minimum detectable object (mm)	12	
Max. range (m)	8	20
Number of photocells per control unit	1 ... 4 with AU SX and AU SXM control units. In case of the Mosaic safety controller the number of photocells depends to the number available input related to the system configuration	
Response time for each photocell (ms)	7	
Output	PNP - 100 mA	
Signalling	status led	
Power supply (VDC)	24 ± 20%	
Electrical connections	M12 4-pole	
Max. cable length (m)	50 (between sensor and control unit)	
Operating temperature (°C)	0 ... 55	
Protection rating	IP 67	
Dimensions (mm)	Ø 18 x 85	

Safety level

**TYPE 2**

**SIL 2 – SILCL 2  
PL d – Cat. 2**



ORDERING INFORMATION

**Each Ilion photocell includes:**

Emitter and Receiver pair

Multi-language instruction manual complete with CE declaration of conformity

CONNECTORS

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

Model	Code	Description
CD 5	1330950	M12 straight connector, 5 poles, pre-wired cable 5 m
CD 10	1330956	M12 straight connector, 5 poles, pre-wired cable 10 m
CD 15	1330952	M12 straight connector, 5 poles, pre-wired cable 15 m
CD 20	1330957	M12 straight connector, 5 poles, pre-wired cable 20 m
CD 25	1330949	M12 straight connector, 5 poles, pre-wired cable 25 m
CD 95	1330951	M12 90° angle connector, 5 poles, pre-wired cable 5 m
CD 910	1330958	M12 90° angle connector, 5 poles, pre-wired cable 10 m
CDM 915	1330953	M12 90° angle connector, 5 poles, pre-wired cable 15 m
CDM 9	1330954	M12 straight connector, 5 poles with screw terminal, PG9 cable gland
CDM 99	1330955	M12 90° angle connector, 5 poles with screw terminal, PG9 cable gland



ADJUSTABLE FIXING BRACKET

Model	Code	Description
IL FB	1200090	Set of 2 adjustable brackets
The IL FB bracket permits both vertical and horizontal adjustment of the optical axis of the photocell.		

# ULISSE

## MAIN FEATURES

ULISSE is a Type 2 safety photocell with metal body and M8 3-pole connector.

The photocells must be connected to control unit for example: standard AU SX or AU SXM control unit with Muting or Mosaic to form a protection system that can be composed of 1, 2, 3 or 4 single beam photocells.

In case of connection with Mosaic safety controller, the number of photocells depends to the configuration of the protection system. (for details on the interface see AU SX, AU SXM and Mosaic control units).

Thanks to the very small size, the anodised aluminium case and the glass lenses free from electrostatic dust attraction, ULISSE is the ideal solution for the protection of weaving machines as well as of other applications characterised by high levels of mechanical stress or very restricted spaces.



## PHOTOELECTRIC SENSOR TECHNICAL DATA

Model	UPC
<b>Ordering code</b>	1200300
<b>Safety level</b>	Type 2 according to IEC/TS 61496-2 SIL 2 – SILCL 2 according to IEC 61508 - IEC 62061 PL d – Cat. 2 according to ISO 13849-1 (with control unit AUS X, AUS XM or Mosaic)
<b>Minimum detectable object (mm)</b>	8
<b>Max. range (m)</b>	6
<b>Number of photocells per control unit</b>	1 ... 4 In case of the Mosaic safety controller the number of photocells depends to the number available input related to the system configuration
<b>Response time for each photocell (ms)</b>	7
<b>Output</b>	PNP - 100 mA
<b>Signalling</b>	status led
<b>Power supply (VDC)</b>	24 ± 20%
<b>Electrical connections</b>	M8 3-pole
<b>Max. cable length (m)</b>	50 (between sensor and control unit)
<b>Operating temperature (°C)</b>	0 ... 55
<b>Protection rating</b>	IP 65
<b>Dimensions - h x w x d (mm)</b>	58 x 15 x 25

## ORDERING INFORMATION

### Each Ulisse photocell includes:

Emitter and Receiver pair

Multi-language instruction manual complete with CE declaration of conformity

## CONNECTORS

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

Model	Code	Description
C 85	1200217	M8 straight connector, 3 poles, pre-wired cable 5 m
C 815	1200219	M8 straight connector, 3 poles, pre-wired cable 15 m
C 895	1200216	M8 90° angle connector, 3 poles, pre-wired cable 5 m



Safety Level:

# TYPE 2

**SIL 2 – SILCL 2**  
**PL d – Cat. 2**