

## VISION

### Type 2 safety light curtains offering the following main features:

- Easy connection and installation thanks to the M12 connectors and the use of unshielded cables up to 100 m.
- Built-in main safety functions.
- 2 safety PNP static outputs.
- Built-in auto-test function, every 0.5 sec.
- Models Master/Slave for cascade connection of two light curtains.
- Models with 2, 3 and 4 beams Long Range, max 60 m.
- Built-in Muting function for models MXL.
- Built-in Muting sensors for models MXL L and MXL T.
- IP 65 protection rate.
- Operating temperature range: 0 to 55 °C.
- Cross section 35 x 45 mm.

Vision light curtains may be connected to the dedicated safety interfaces series AD SR, or directly to contactors actuated and controlled by the light curtain, or to MOSAIC, or to suitable commercial safety modules or safety PLCs.



Safety level:

**TYPE 2**

SIL 2 – SILCL 2  
PL d – Cat. 2



## THE VISION RANGE

### VISION V

- Protected height range 160 to 1810 mm
- 6 types of detection:
  - Resolution 20 - 30 - 40 mm for hand detection.
  - Resolution 50 - 90 mm for detection of the body in a dangerous area
  - 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 16 m for models VH and 6 m for models VL
- M12, 5-pole connectors
- Automatic Start/Restart.

The ideal light curtain for straightforward interfacing with safety modules or safety PLCs.

**VISION VX**

- Protected height range 160 to 1810 mm
- 6 types of detection:
  - Resolution 20 – 30 – 40 mm for hand detection
  - Resolution 50 – 90 mm for detection of the body in a dangerous area
  - 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 18 m
- M12, 5-pole connector for emitter and M12, 8-pole for receiver
- Integrated, selectable manual or automatic Start/Restart
- Feedback input for external relay monitoring (EDM)
- Master and Slave models for series connection of two light curtains regardless of height or resolution.

An effective light curtain for directly controlling and monitoring machine circuits with no need of external safety modules.

Master/Slave models are ideal for series connection of two light curtains and combined detection of hand and body or the protection of two different sides of a machine.

**VISION VX LR Long Range**

- 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 60 m
- M12, 5-pole connector for emitter and M12, 8-pole for receiver
- Integrated, selectable manual or automatic Start/Restart
- Feedback input for external relay monitoring (EDM).

The ideal light curtain for protection applications with a high range, also on several sides using deflection mirrors.

**VISION VXL**

- Protected height range 160 to 1810 mm for models with resolution 40 mm and 160 to 1210 mm for models with resolution 30 mm
- 3 types of detection:
  - Resolution 30 - 40 mm for hand detection
  - 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 8 m
- M12, 5-pole connector for emitter and M12, 8-pole for receiver
- Integrated, selectable manual or automatic Start/Restart
- Feedback input for external relay monitoring (EDM).

Vision VXL meets the requirements of most applications and is highly cost effective.

**VISION MXL with built-in Muting function**

The range includes:

- Vision MXL, with external Muting sensor connectivity (any type)
- Vision MXL L and Vision MXL T with adjustable horizontal arm system and built-in photoelectric Muting sensors, prewired and prealigned.

Main features:

- Integrated, selectable manual or automatic Start/Restart
- Feedback input for external relays monitoring (EDM)
- Integrated Override with 2 selectable operating modes
- Muting Time-out 30 sec, 90 min or infinite
- Muting enable input
- M12 and M16 connectors.

Models Vision MXL offer an effective, low-cost solution for the most common palletizer applications.



# VISION

### VISION MXL, MXL U

- Light curtain connection for external Muting sensors of any type through main connector
- Muting logics, two-way entry/exit (2 sensors) for models MXL
- Muting logics, mono-directional, exit only (2 sensors) for models MXL U
- Protected height range 310 to 1810 mm for resolution 40 mm (310 to 1210 mm for resolution 30 mm)
- 3 types of detection:
  - Resolution 30 - 40 mm for hand detection
  - 2 - 3 - 4 beams for detection of the body in access monitoring
- Max range 8 m.



### VISION MXL L

MXL L has an original 2-horizontal arms system – one for the Emitter and one for the Receiver – with built-in Muting photoelectric sensors, prewired and prealigned.

- One-way Muting logics, exit only
- 2 and 3 beams for detection of the body in access monitoring
- Max range 2.5 m
- Optoelectronic Muting sensors with 2 crossed beams.



### VISION MXL T

MXL T has an original 4-horizontal arms system – 2 for the Emitter and 2 for the Receiver – with built-in Muting photoelectric sensors, prewired and prealigned.

- Two-way Muting logics, entry/exit
- 2 and 3 beams for detection of the body in access monitoring
- Max range 2.5 m
- Optoelectronic Muting sensors with 2 crossed beams.



### MXJB Connection Box for Light curtains with Muting

Connection boxes MXJB are accessory devices designed for quick, reliable connection of Vision MXL light curtains and to ensure that major operating controls needed for operation are available in the guarded area.

- Restart pushbutton
- Key selector switch for Override control function
- Muting-on indicator light
- Dip-switch for light curtain functions configuration
- 2 guided-contacts safety relays operated and controlled by the light curtain

