

# VISION VX WT / WTH

## IP67 WATERTIGHT ENCLOSURE

### TECHNICAL FEATURES

Technical features for the light curtain	VISION VX LR
Operating temperature (°C)	WT: 0 ... +55 WTH: -25 ... +50 - With heating system
Max. water pressure jets	40 bar (between 10° and 40° C)
Max. range (m)	18 or 50 selectable
Electrical connections	10-metre cable pre-wired with cable gland
WTHF heated power consumption	24 VDC - 20 W x Protected Height (m)
Fastening	Set of 4 WFB ring brackets (included)

### WATERTIGHT ENCLOSURE

The watertight enclosure is made of:

- Polycarbonate transparent housing
- Valve to drain humidity and avoid condensation
- PVC sealing caps

### APPLICATIONS

- Washing systems
- Industry applications with higher exposure to water sprays and jets
- Outdoor applications



HEATED VERSION AVAILABLE

Access control
2, 3, 4 beams

Start/Restart
Manual or Automatic

Safety outputs
2

SAFETY LEVEL

**TYPE 2**

SILCL 1  
PL c - Cat. 2

Watertight enclosures allow light curtains and light grids to be used in a harsh working environments with exposure to water and steam.

IP67 protection rate.

### PART NUMBERS

Access control - VX LR WT / WTH models - Max. range selectable 18 or 50 m



	VX 2B LR WT	VX 3B LR WT	VX 4B LR WT	VX 2B LR WTH	VX 3B LR WTH	VX 4B LR WTH
2, 3, 4 beams						
Ordering codes	1244603	1244604	1244605	1249603	1249604	1249605
Nr. beams	2	3	4	2	3	4
Overall height (mm)	841	1141	1241	841	1141	1241

Vision MXL is a range of safety light curtains for the protection of dangerous systems with integrated Muting function. Models MXL L and MXL T are available with integrated Muting sensors, pre-aligned, adjustable for height and angle.

- Integrated Muting function with two-sensors (bi-directional or mono-directional logic). Integrated Muting sensors on models MXL L and MXL T
- Set-up of each function can be done through main connector. No need of software configuration. High flexibility in terms of interface configurations, Muting logics and time-out. Selectable overrides (two types)
- Integration of the main safety functions including auto-control of static outputs, control of external contactors (EDM) and Start/Restart interlock
- Integrated auto-test, activated automatically and periodically, without discontinuity to the operation of the machine being controlled
- Interconnection box MXJB for quick connection of light curtains and availability of the main controls needed for operation close to the gate to be protected

Vision MXL offer a cost-effective solution for the most common palletizer applications.

With the MXL L and MXL T models, system installation is fast and simple; moreover, compliance with the standards requirements regarding the geometry of the Muting sensors and all the other safety parameters is guaranteed (IEC/TS 62046).

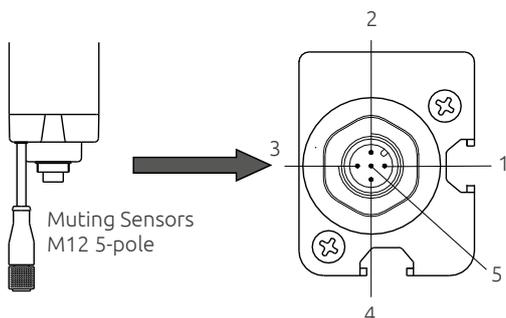


### MUTING SENSOR ARMS ADJUSTMENT - MXL L - MXL T

The Muting sensor arms of Vision MXL L and MXL T are adjustable in height and angle.

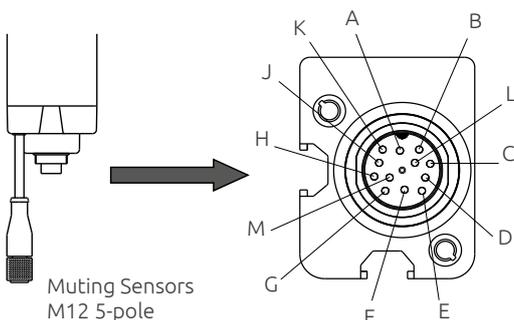
This important and unique feature enables the inclination of the detection plane of the sensors to obtain correct and constant detection of irregular materials in transit.

### CONNECTORS



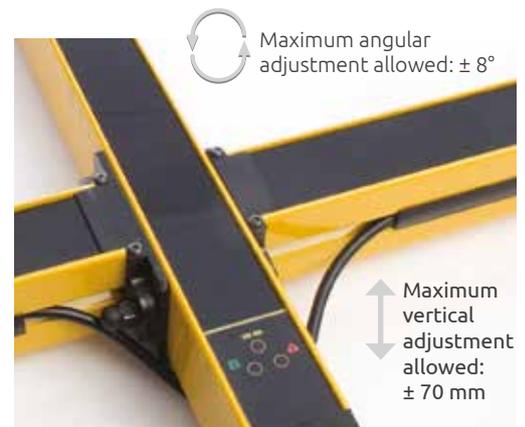
Emitter  
M12 5-pole

- 1 - 24 VDC
- 2 - TEST
- 3 - 0 VDC
- 4 - NC
- 5 - PE



Receiver  
M16 12-pole

- A - OSSD1
- B - SUPPLY B 24 VDC
- C - MUTING ENABLE
- D - SUPPLY A 24 VDC
- E - TIMEOUT
- F - OVERRIDE
- G - LAMPADA MUTING
- H - PE
- J - K1 K2 FEEDBACK / RESTART
- L - S1
- M - S2
- K - OSSD2



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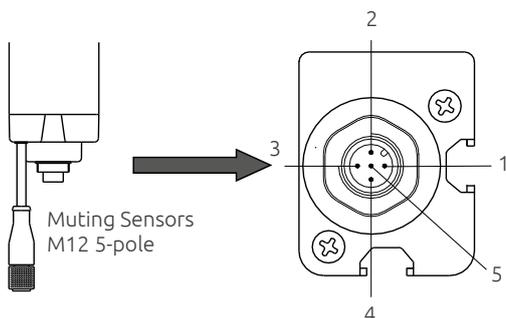


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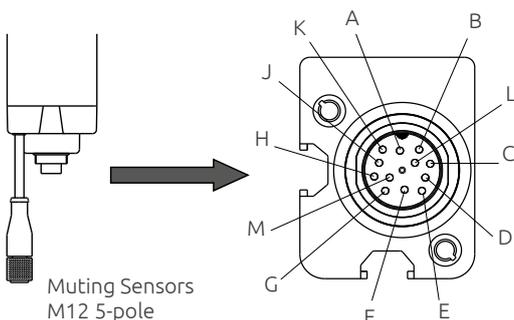
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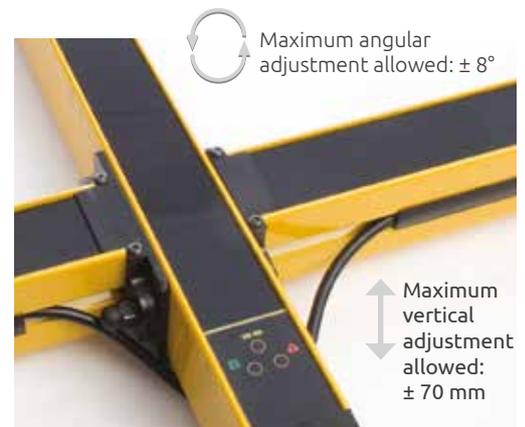
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M12 5-pole

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Receiver  
M16 12-pole

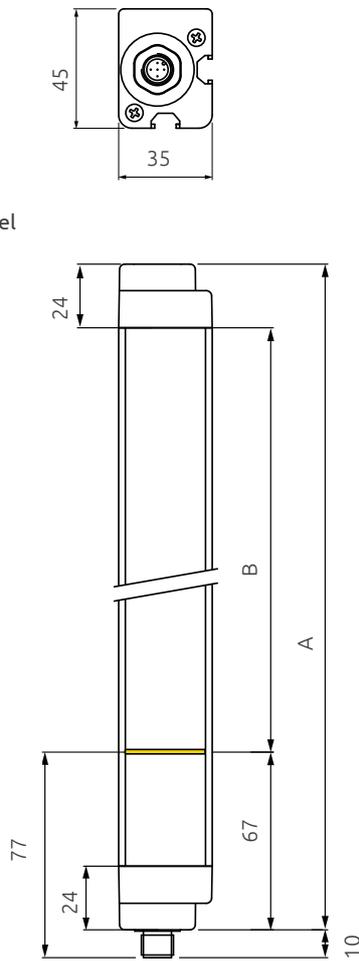
- A - OSSD1
- B - SUPPLY B 24 VDC
- C - MUTING ENABLE
- D - SUPPLY A 24 VDC
- E - TIMEOUT
- F - OVERRIDE
- G - LAMPADA MUTING
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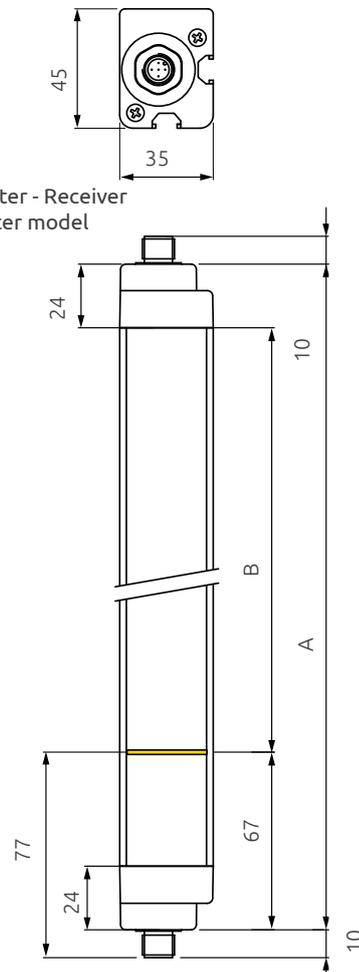
# MECHANICAL DATA

## DIMENSIONS

Emitter - Receiver  
Standard model and Slave model



Emitter - Receiver  
Master model



Models	2B	3B	4B
A (mm)	701	1001	1101
B (mm)	500	800	900

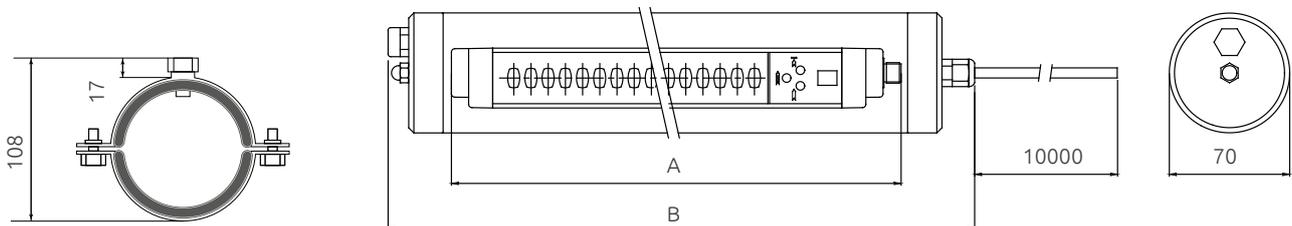
Mounting Set of 4 LS type brackets included

Models	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250
A (mm)	251	401	551	701	851	1001	1151	1301	1451	1601	1751	1901	2061	2211	2361
B (mm)	150	300	450	600	750	900	1050	1200	1350	1500	1650	1800	1950	2100	2250

Mounting Set of 4 LS type brackets included

Set of 6 LS type brackets included

### Watertight enclosure

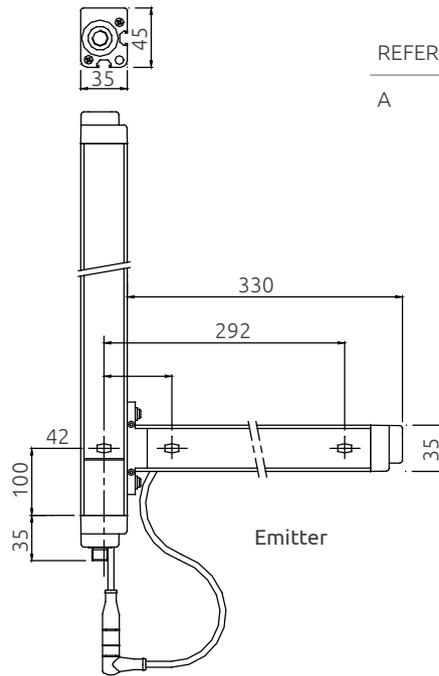
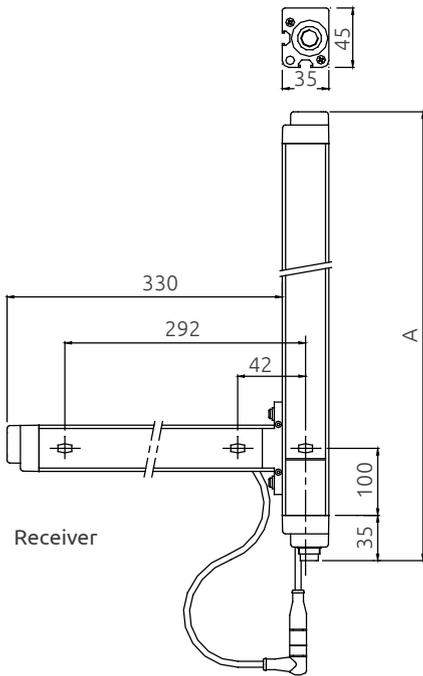


WFB ring brackets (included)

$$B = A (\text{Overall height}) + 130 \text{ mm}$$

Dimension: mm

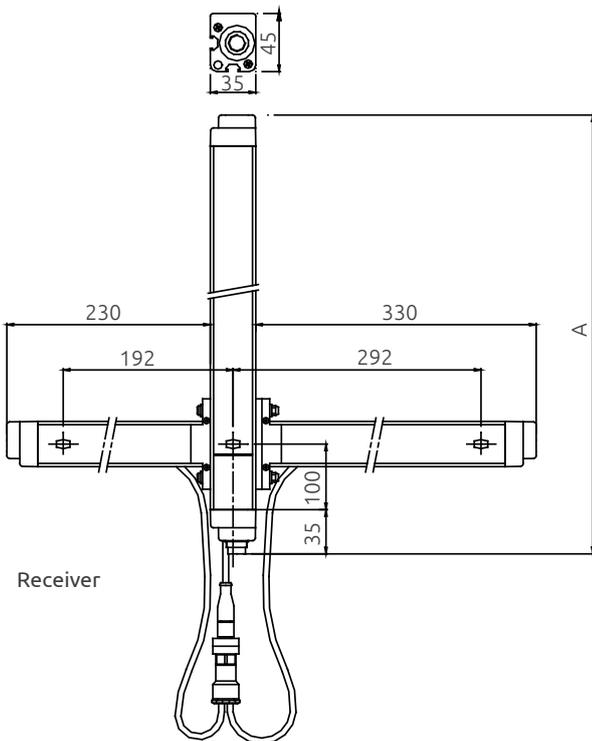
## VISION MXL L



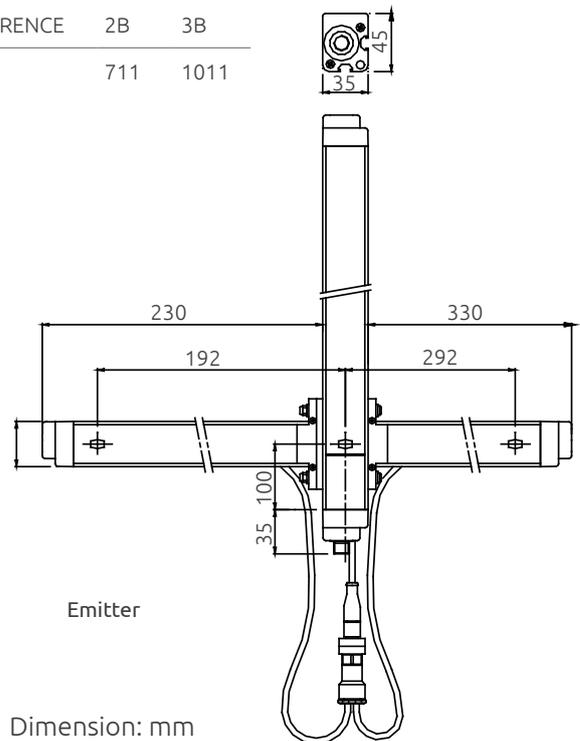
REFERENCE	2B	3B
A	711	1011

Dimension: mm

## VISION MXL T



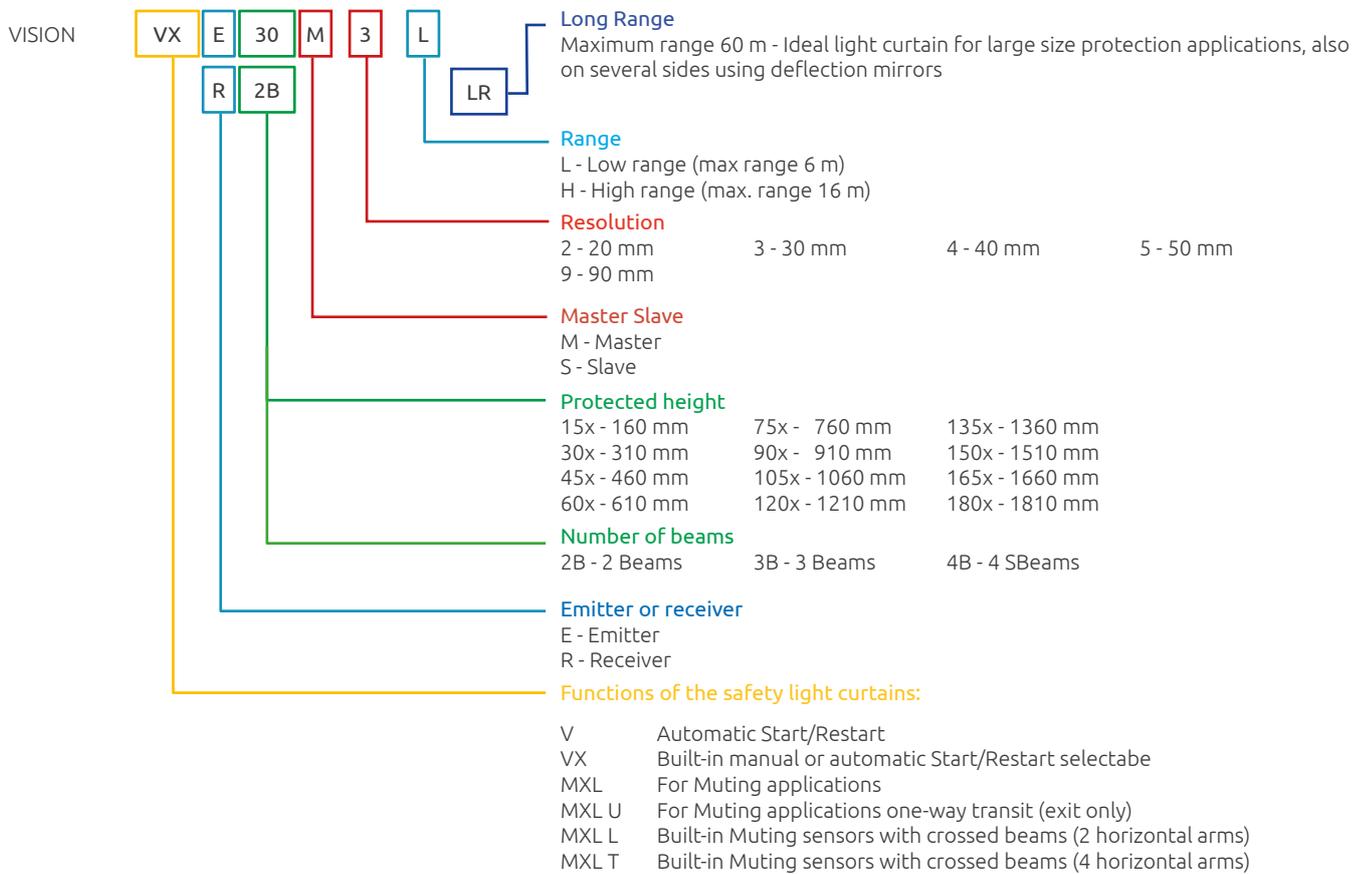
REFERENCE	2B	3B
A	711	1011



Dimension: mm

NOTE: the Muting arms can be ordered separately.

**CODE LEGEND**



**Example:**

VISION MXL E T 2B =

- Type 2 safety light curtain VISION family
- Emitter
- 2 Beams
- Built-in control functions
- Built-in Muting sensors with crossed beams (2 horizontal arms)