

MACHINES ACCESS PROTECTION

With object / person discrimination
 Through an optic muting system
 (safety light barrier + photoelectric sensors)

One reference, one supplier

The **OPTIC MUTING SYSTEM** is a complete assembly protecting the entrance and exit of the following types of machines:

- Palletisers / Depalletisers,
- Transport systems,
- Robotised systems,
- Pallet stacking machines,
- Filling and assembly lines in the automobile industry,
- Painting lines (automobile, electrical household goods, ...).

The choice **OPTIC MUTING SYSTEM**

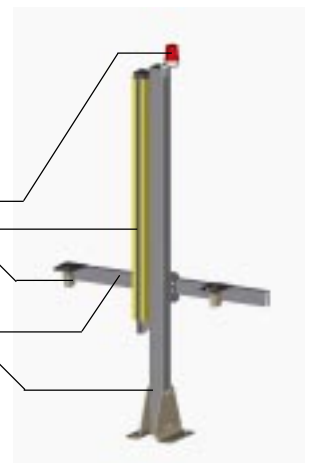
- Universal answer for all your applications
- Complete type 2 or type 4 safety solution
- Fast installation and operation
- One supplier, only one order reference
- European and international approvals
- Preassembled and prewired solution on request: Contact us



The **OPTIC MUTING SYSTEM** is an integrated “ready to use” solution which comprises all the vital elements for your standardized muting applications:

- Electrical elements**
- Autocontrolled muting light
 - Safety light barrier with 2, 3 or 4 integrated beams
 - Retro reflex polarised or through beam version muting photoelectric sensors

- Mechanical elements**
- Supports to secure the muting sensors
 - Posts to secure the barrier

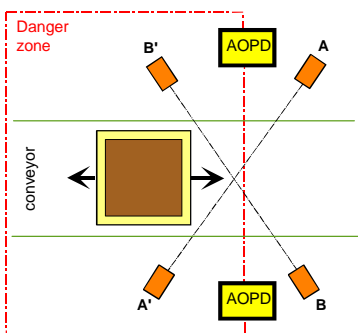


Object / person discrimination

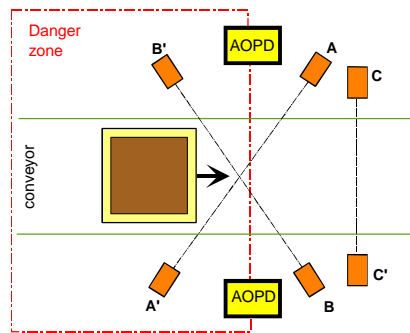


Examples of muting photoelectric sensor configuration

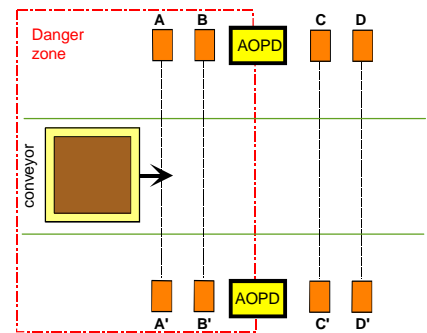
Bi-directional muting (CONF. A)
Type 4 / Type 2 - 2 beams



Directional muting (CONF. B)
Type 2 - 3 beams



Directional muting (CONF. C)
Type 4 - 4 beams



AOPD: Standardised term for safety light barriers in accordance with EN 61 496 (Active Opto-electronic Protective Device)
A, B, C, D: Detects when beams are broken (sensor with separate receiver and emitter or retro reflex polarised)

Technical features

- Possibility of vertically regulating the barrier
- Possibility of vertically and horizontally regulating the sensors
- 24 VDC supply
- M12 (type 4 barrier + sensors) or Hirschmann (type 2 barrier) connectors
- Length of posts to secure the barrier: 150 cm
- Length of supports to secure the muting detectors: 90 cm (CONF. A and CONF. B) or 140 cm (CONF. C)

Order references

Photoelectric muting sensors		Safety light barrier (AOPD)		
Mode	Configuration	2 beams	3 beams	4 beams
Retro reflex Polarised	2 beams (CONF. A)	SA ♦ M2G 1K2	SA ♦ M3G 1K2	SA ♦ M4G 1K2
	3 beams (CONF. B)	SA 2 M2G 2K2	SA2 M3G 2K2	SA2 M4G 2K2
	4 beams (CONF. C)	SA 4 M2G 3K2	SA4 M3G 3K2	SA4 M4G 3K2
Through beam	2 beams (CONF. A)	SA ♦ M2G 4K2	SA ♦ M3G 4K2	SA ♦ M4G 4K2
	3 beams (CONF. B)	SA 2 M2G 5K2	SA2 M3G 5K2	SA2 M4G 5K2
	4 beams (CONF. C)	SA 4 M2G 6K2	SA4 M3G 6K2	SA4 M4G 6K2

♦ : Safety category of barrier 2 : Type 2 4 : Type 4

The system's reference includes:

- 1 safety light barrier + 2, 3 or 4 muting sensors + 1 muting light + 1 connection kit
- 2 posts + 2 supports to secure the sensors + brackets

The products described in this document are subject to change. Descriptions and characteristics are not contractually binding.



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