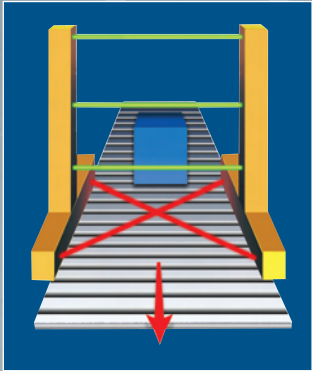
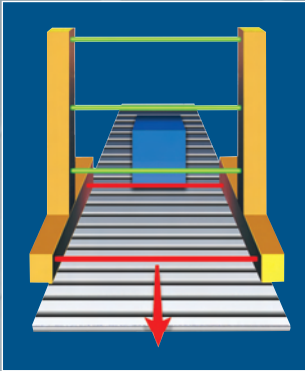


Cross Beam Muting



Parallel Beam Muting



Indicator Beacon Options



Product Conformity

Smartsan 8000 Series Light Curtains have been type examined by a EUROPEAN NOTIFIED BODY thus ensuring full compliance with ALL relevant Essential Health and Safety Requirements (EHSR's) of the European Machinery Directive 98/37/EC.

Together with our ISO 9001 : 2000 certification full confidence can be placed in the quality, reliability and above all the safety of Smartsan light curtains and equipment.



Report No. 288/4260461
Report No. 288/4268608



amtri veritas Type Examined

amtri veritas

Certificate No: AV EC 2027

CELESTICA

Certificate No: MCC/01/046



Certificate No: FM27829

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SMARTSCAN MACHINERY SAFETY SYSTEMS



8000 SERIES - SAFETY LIGHT CURTAINS

Ref: SS-803/NOVEMBER 2007

SMARTSCAN 8000 SERIES LIGHT CURTAINS

The completely integrated safety solution for guarding end-of-line packaging machinery. A combination of self contained units and configurable muting patterns make the 8000 Series from Smartsan the superior choice.

- ▶ European Type Examination to the Machinery Directive
- ▶ Safety Classification EN 954-1 – Category 3
- ▶ Compliance: EN 61496-1 & IEC 61496-2 – Type 2
- ▶ Simple Installation and set up
- ▶ 1 year manufacturers warranty

End of line packaging machinery applications Include:

Automated Assembly Lines, Palletisers, De-Palletisers, Stretch Wrap Systems, Conveyors, Bottling Lines, Packaging Machines, Transfer Lines, Robotic Handling Systems, Stackers / De-Stackers, Pallet Lifts, Pallet Inverters, Process Lines, Pallet Shrink Wrapping, Automated Warehouses... and many others.



Features

- ▶ Application specific programmable software
- ▶ Selectable cross beam or parallel beam muting
- ▶ Configurable for infeed (bi-directional) or outfeed applications
- ▶ 2 part system with integral control functions
- ▶ IP66, suitable for harsh wet and dusty environments
- ▶ Up to 40m scanning range (model dependent)
- ▶ 3rd mute input channel for increased safety integrity
- ▶ Mute signal output
- ▶ Safety monitored reset and guard override facility
- ▶ Safety monitoring (EDM)
- ▶ Diagnostic and status indicators
- ▶ Integrated monitored mute beacon option
- ▶ Relay output
- ▶ Solutions for cold store applications

Specification

Number of beams	1 - 4
Detection height	500, 600, 900 and 1200mm
Range	Perimeter 0.5-40m (model dependent) Parallel beam muting 0.5-3.5m Cross beam muting 1-2.5m
Light type	IR 880nm
Response time	40ms
Operating temperature	0°C to +50°C
Light curtain enclosure	IP66
Power supply requirement	24V DC 2A ±10%
Current consumption	250mA
Light curtain Connectors	Circular, bayonet locking IP68
Finish	Aluminium, chromate treated, yellow polyester powder coated
Classification	BS EN 61496-1 Type 2 BS IEC 61496-2 Type 2 BS EN 954-1 Category 3
Warranty	1 Year
OUTPUTS	
Safety outputs OSSD1 & OSSD2	2 x N/O fail-safe switching contacts each rated at 110V 2A
Status Output Relay	1 x N/O switching contact rated at 110V 1A
Mute Output	Electronic output. MUTE ON = 0V
Status Indication	Status & Condition LEDs on Light curtain
INPUTS	
Safety Monitoring (EDM)	ON = +24V DC
Activate	Combined restart and override. ON = +24V DC
Muting M1 and M2	Two circular IP68 bayonet locking connectors. One for each independent muting channel
Mute Enable	3rd mute channel ON = +24V DC
Mode Select	Cross-beam mute. ON = 0V Parallel-beam mute. ON = +24V DC