

MS series

Thin Area sensor

Applications

- Object Detection Sensor
- Object detection
- Auto working detection
- Parts Pickup Inspection
- Packaging line
- Assembly Line Direction Control

Introduce

MS series thin area sensing light curtain, price concessions, stable quality, variety of types, to meet customer needs, is the most suitable for regional use in the detection, protection, inspection and other diversified sensing. Instruction LVD requirements, with CE marking.



Property

- Number of beams 25mm (Non-extendable), 20mm, 40mm.
- Detection zone 100mm ~ 940mm, various type to meet customer needs.
- Highly-Visible indicator light.
- IP62 Water-Proof Case.
- Possess NPN and PNP wiring method to meet customer needs.
- Quality and stability, price concessions.
- Compact design, Aluminum extrusion structure.
- Easy to install and calibrate for alignment, ambient light rejection superior performance.

General specifications

Basic information			
Optical Axis Pitch	25mm	20mm	40mm
Number of beam	5	8-48	4-24
Detection zone	100mm	140mm ~ 940mm	120mm ~ 920mm
Operating distance	0.3m to 1.5m		
Response time	20msec (Exclude relay switch time)		
Classification	CE LVD ; No safety notified (do not use in dangerous equipment)		
Power supply	24VDC±10%		
Power consumption	Basic 40mA ; 8mA more for each axis, up to 400mA		
Output mode	One set can be set to NPN or PNP(24V 20mA ; 0V 40mA)		
Appearance	Aluminum ; Silver anode treatment(standard) ; Orange anode treatment(select)		
Connector	Direct output(Double hole fixing); Direct output(Single hole fixing)		
Ambient temperature	0°C to +50°C		
Enclosure rating	IP62(Ingress Protection)Ratings		

MSB1-5 Series Detection Capability 30mm

Number of beam : 25mm

Operating distance : LOW 0.5m to 0.8m ; HI 0.5 to 1.5m

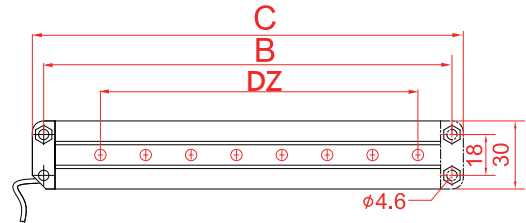
Model	Beams	Detection Zone (DZ)(mm)	Overall Length (B)(mm)	Install Length (C)(mm)
MSB1-5	5	100	130	140

MSB2 Series Detection Capability 25mm

Optical Axis Pitch: 20mm

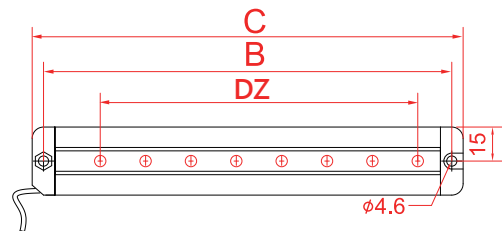
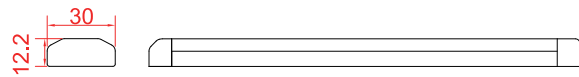
Operating distance : LOW 0.5m to 0.8m ; HI 0.5 to 1.5m

Model	Beams	Detection Zone (DZ)(mm)	Overall Length (B)(mm)	Install Length (C)(mm)
MSB2-8	8	140	180	190
MSB2-12	12	220	260	270
MSB2-16	16	300	340	350
MSB2-20	20	380	420	430
MSB2-24	24	460	500	510
MSB2-28	28	540	580	590
MSB2-32	32	620	660	670
MSB2-36	36	700	740	750
MSB2-40	40	780	820	830
MSB2-44	44	860	900	910
MSB2-48	48	940	980	990



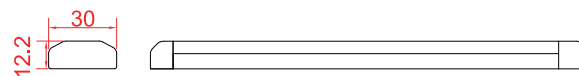
Standard type

Dirct output ,double screw hole fixing



Selective C type

Dirct output ,single screw hole fixing

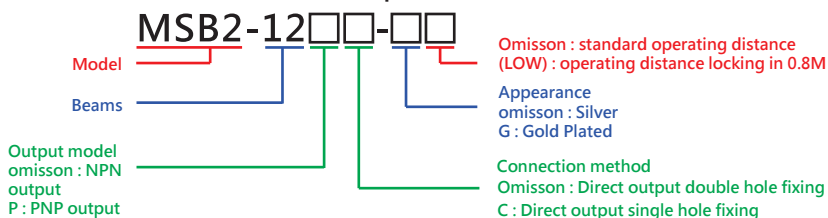
**MSB3 Series** Detection Capability 45mm

Optical Axis Pitch : 40mm

Operating distance : LOW 0.5m to 0.8m ; HI 0.5 to 1.5m

Model	Beams	Detection Zone (DZ)(mm)	Overall Length (B)(mm)	Install Length (C)(mm)
MSB3-4	4	120	180	190
MSB3-6	6	200	260	270
MSB3-8	8	280	340	350
MSB3-10	10	360	420	430
MSB3-12	12	440	500	510
MSB3-14	14	520	580	590
MSB3-16	16	600	660	670
MSB3-18	18	680	740	750
MSB3-20	20	760	820	830
MSB3-22	22	840	900	910
MSB3-24	24	920	980	990

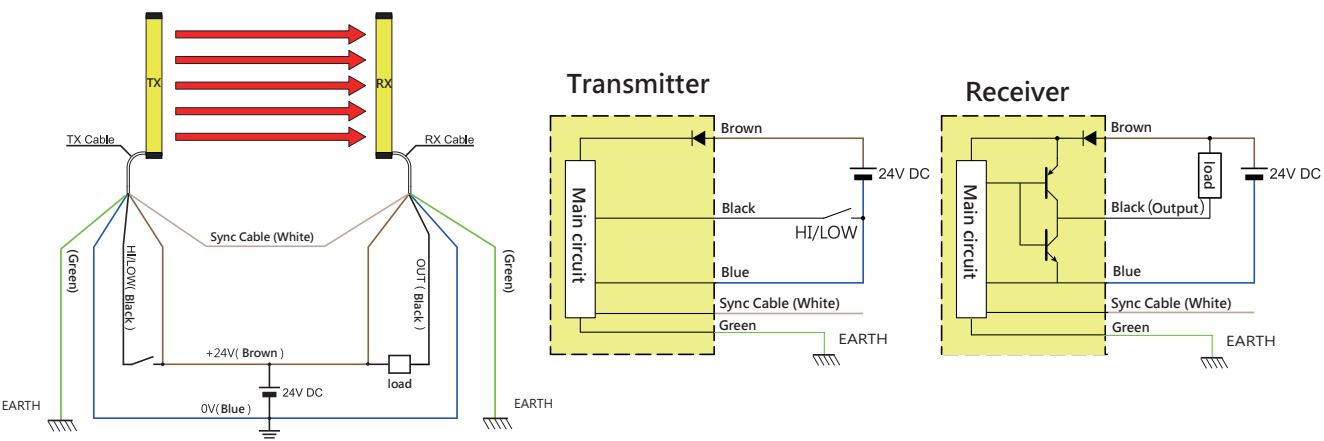
Customized service description of MS series :



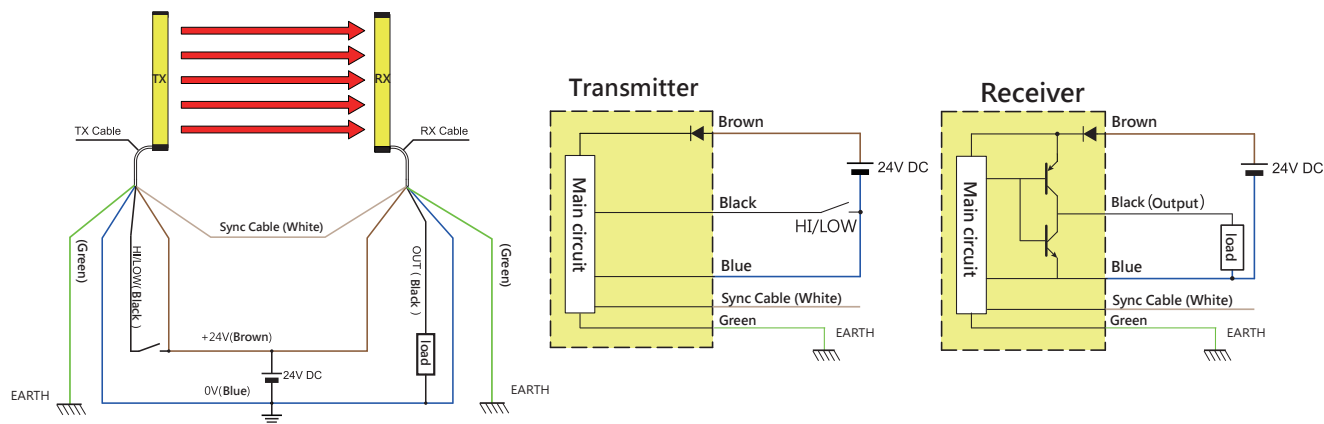
※ SMARTSCAN provide customized services.
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Electric Connection

NPN Output mode

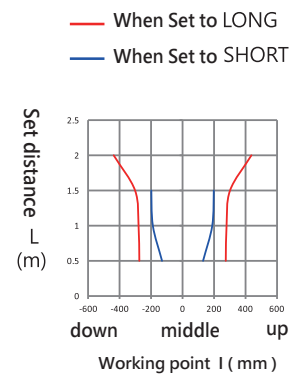
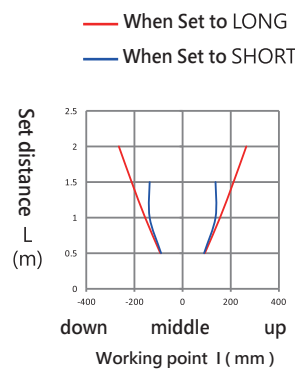
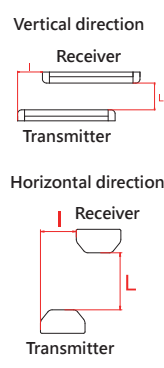


PNP Output mode



Detection Characteristics Diagram

parallel transport property	Vertical direction	Horizontal direction
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parallel transport property	When Set to LONG	When Set to SHORT
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