



GREENTECH

MV GREENTECH PVT LTD.



Product Catalogue

Ultra Precision Sensing Solutions

INDUSTRY SAFETY

SAFETY CURTAINS

Fast response speed: up to 3ms.

Finger protection and hand protection, area protection safety light curtain.

The product performance level reaches EN ISO13849-1 PLe.

Comply with EN IEC 61496-1 and -2 Safety levels 2/4.

- I. TBA Economical Safety Light Curtain
- II. BQ Area Type Safety Light Curtain
- III. BH Measuring Safety Light Curtain
- IV. BE Ultra-Thin Safety Light Curtain



INDUSTRY SAFETY

Common Tech. Parameters				
Optical axis spacing	10mm	20mm	30mm	40mm
Curtain type	Ultra -thin safety curtain			
Interface size	10mmx22mm			
Protection level	IP65/IP67			
Number of optical axes	8-94 bundle	6-48 bundle	4-32 bundle	4-24 bundle
Protective height	70mm -982mm			
Protective distance	0.1 -2m/0.1 -3m			
Light curtain form	Through -beam type			
Operating temperature	—15°C+65°C			

V. KZQ-01 Full-featured Light Curtain Controller

Response time	100m or less
Shell material	ABS engineering plastics
Ambient temperature	When working: -5~+40°C (but not freezing), when storing: -25~+55°C
Vibration	Vibration frequency: 10~30Hz, amplitude: 0.35mm, 2 hours each in X, Y and Z directions
Resistance toradiation electromagnetic fields	Can withstand radiated electromagnetic field interference with a field strength of 1V/m
Anti-static discharge	Can withstand electrostatic discharge interference at 2KV voltage
Resistant to electrical fast transients	Can withstand electrical fast transient burst interference at 1KV voltage
Life span	The internal relay should be used no less than 100,000 times, and the electrical appliance should be used for 10,000 hours.
Protection level	IEC IP20

INDUSTRY SAFETY

VI. TBS Waterproof and Oilproof Safety Curtain

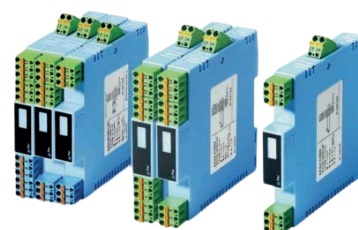
Models	MGFS10 series	MGFS20 series	MGFS30 series	MGFS40 series
Number of optical axes	8、12 to 32	4、6、8 to 32	4、6、8 to 32	4、6、8 to 32
Optical axis distance	10mm	20mm	30mm	40mm
Suitable for small Protective objects	φ15 mm	φ25 mm	φ35 mm	φ45 mm
Detection range	0-3m			
Response time	3-32ms			
Ambient temperature	-25 - +70°C (be careful not to condense or freeze)			
Protective level	IP68			

VII. Cat4 Safety Light Curtain Sensor with Ce Quality

Model	TB - 4004	TB - 4008	TB - 4012	TB - 4016
	TB - 4004S	TB - 4008S	TB - 4012S	TB - 4016S
No. of beams	4	8	12	16
Detecting height	120mm	280mm	440mm	600mm
Beam Pitch	40mm			
Sensing distance	0.6 M ~ 5 M	0.6 M ~ 5 M	0.6 M ~ 5 M	0.6 M ~ 5 M
	0.3 M ~ 2 M	0.3 M ~ 2 M	0.3 M ~ 2 M	0.3 M ~ 2 M
Operating temperature	- 10 °C ~ + 45°C (No freezing allowed)			

SAFETY RELAY

MV Greentech series isolator safety grid, the industrial site of the current signal, thermal resistance/thermocouple temperature signal and switching signal from the danger zone isolated transmission to the safety zone, power supply/input/output completely isolated.



INDUSTRY SAFETY

Technical Parameters	
Supply voltage range	20~30VDC
Rated supply voltage	24V DC
Current consumption (24VDC power supply, relay output)	<60 mA
Open circuit voltage	8V±0.5V
Switching threshold	1.2~2.1mA
Hysteresis	0.2mA (typical)
Working environment temperature	-20 ~ +60°C
Protection level	IP 20
Dimensions/weight	16×116×110(mm); about 110g~120g

SF LM SERIES SAFETY SWITCH

- Small size, easy to install, only 30x30x90mm dimensions.
- Two contact configuration (1NO/1NC or 2NC).
- Meet the design requirements of ISO14119 and EN1088.



I. Electromagnetic lock safety door switch Model No: KEL-B, KEL-S, KEL-K, K-MP5

Execute standard item	EN 60947-5-1
Utilization Category	AC-15; DC-13
Rated load	3A/240VAC; 2.3A/30VDC
Locking tensile strength	1300N
Operation speed	5mm-0.5cm/s
Action frequency	Mechanically:20 times/minute
Contact resistance	25mΩ(initial value)
Insulation resistance	100MΩ or above (Above) DC500V
Withstand voltage	2000VAC
Operating temperature	-20 to +60°C
Operating humidity	<85%
Service life	Electrically: 100,000times above; Mechanically: 1.000,000times above
Protection structure	IP67

INDUSTRY SAFETY

II. K2 Series 2, K4 Series 4, K6 Series 6 - Contact Electromagnetic Safety Door Switch

Model Name	K2 Series	K4 Series	K6 Series
Protection level	IP67 (EN60947-5-1, except key operation hole)		
Service life	Mechanical more than 1 million times		
	Electrical 150,000 times or more		
Locking tensile strength	1300N		
Forced disengagement distance	210mm	≥10mm	
Forced release force	≥60N		
Ambient temperature	-20~60℃, no freezing		
Operating temperature range	-25℃~+80℃		
Electrical life	108cycles (1.5vdc-1mA Resistance load)		
Protection level	IP40		
Operating temperature range	-25℃~+80℃		
Electrical life	108cycles (1.5vdc-1mA Resistance load)		
Protection level	IP40		

III. TSL Reed Proximity Sensor

Sensing distance	15 mm (min.)
Contact form	A (Normal open)
Operating temperature range	-25°C~+80°C
Electrical life	108cycles (1.5vdc-1mA Resistance load)
Protection level	IP40

IV. WL Magnetic Switch

Sensing distance	0.00mm
Structural protection	IEC standard IP40
Mechanical life	More than 50 million times (DC24V0.1A resistance load)
Operating temperature range	Working and storage: -20~+60°C (no icing or condensation)
Magnetic attraction	5N