



Product Description:

- TYPE4
- The maximum detection Range can reach 16m
- The resolution can be 14mm,30mm,50mm detection accuracy
- External cascading scheme optional
- Optical synchronization, simplified wiring and improved installation efficiency
- Unique vibration reduction design, good vibration resistance
- Excellent anti-light interference and EMC characteristics
- High Protection degree: IP65 Protection degree

Model Selection Table:

Type	Function	Resolution	height1	height2	Range
SE4P14-200	Transmitter + Receiver	14	200	225	Max.10m
SE4P14-300	Transmitter + Receiver	14	280	305	Max.10m
SE4P14-450	Transmitter + Receiver	14	440	465	Max.10m
SE4P14-600	Transmitter + Receiver	14	600	625	Max.10m
SE4P14-750	Transmitter + Receiver	14	760	785	Max.10m
SE4P14-900	Transmitter + Receiver	14	920	945	Max.10m
SE4P14-1050	Transmitter + Receiver	14	1080	1105	Max.10m
SE4P14-1200	Transmitter + Receiver	14	1160	1185	Max.10m
SE4P14-1350	Transmitter + Receiver	14	1320	1345	Max.10m
SE4P14-1500	Transmitter + Receiver	14	1480	1505	Max.10m
SE4P14-1650	Transmitter + Receiver	14	1640	1665	Max.10m
SE4P14-1800	Transmitter + Receiver	14	1800	1825	Max.10m

SE4P30-200	Transmitter + Receiver	30	200	225	Max.10m
SE4P30-300	Transmitter + Receiver	30	280	305	Max.10m
SE4P30-450	Transmitter + Receiver	30	440	465	Max.10m
SE4P30-600	Transmitter + Receiver	30	600	625	Max.10m
SE4P30-750	Transmitter + Receiver	30	760	785	Max.10m
SE4P30-900	Transmitter + Receiver	30	920	945	Max.10m
SE4P30-1050	Transmitter + Receiver	30	1080	1105	Max.10m
SE4P30-1200	Transmitter + Receiver	30	1160	1185	Max.10m
SE4P30-1350	Transmitter + Receiver	30	1320	1345	Max.10m
SE4P30-1500	Transmitter + Receiver	30	1480	1505	Max.10m
SE4P30-1650	Transmitter + Receiver	30	1640	1665	Max.10m
SE4P30-1800	Transmitter + Receiver	30	1800	1825	Max.10m

SE4P50-300	Transmitter + Receiver	50	280	305	Max.10m
SE4P50-450	Transmitter + Receiver	50	440	465	Max.10m
SE4P50-600	Transmitter + Receiver	50	600	625	Max.10m
SE4P50-750	Transmitter + Receiver	50	760	785	Max.10m
SE4P50-900	Transmitter + Receiver	50	920	945	Max.10m
SE4P50-1050	Transmitter + Receiver	50	1080	1105	Max.10m
SE4P50-1200	Transmitter + Receiver	50	1160	1185	Max.10m
SE4P50-1350	Transmitter + Receiver	50	1320	1345	Max.10m
SE4P50-1500	Transmitter + Receiver	50	1480	1505	Max.10m
SE4P50-1650	Transmitter + Receiver	50	1640	1665	Max.10m
SE4P50-1800	Transmitter + Receiver	50	1800	1825	Max.10m

Type	Function	Resolution	height1	height2	Range
SE4P14-200L	Transmitter + Receiver	14	200	225	Max.16m
SE4P14-300L	Transmitter + Receiver	14	280	305	Max.16m
SE4P14-450L	Transmitter + Receiver	14	440	465	Max.16m
SE4P14-600L	Transmitter + Receiver	14	600	625	Max.16m
SE4P14-750L	Transmitter + Receiver	14	760	785	Max.16m
SE4P14-900L	Transmitter + Receiver	14	920	945	Max.16m
SE4P14-1050L	Transmitter + Receiver	14	1080	1105	Max.16m
SE4P14-1200L	Transmitter + Receiver	14	1160	1185	Max.16m
SE4P14-1350L	Transmitter + Receiver	14	1320	1345	Max.16m
SE4P14-1500L	Transmitter + Receiver	14	1480	1505	Max.16m
SE4P14-1650L	Transmitter + Receiver	14	1640	1665	Max.16m
SE4P14-1800L	Transmitter + Receiver	14	1800	1825	Max.16m

SE4P30-200L	Transmitter + Receiver	30	200	225	Max.16m
SE4P30-300L	Transmitter + Receiver	30	280	305	Max.16m
SE4P30-450L	Transmitter + Receiver	30	440	465	Max.16m
SE4P30-600L	Transmitter + Receiver	30	600	625	Max.16m
SE4P30-750L	Transmitter + Receiver	30	760	785	Max.16m
SE4P30-900L	Transmitter + Receiver	30	920	945	Max.16m
SE4P30-1050L	Transmitter + Receiver	30	1080	1105	Max.16m
SE4P30-1200L	Transmitter + Receiver	30	1160	1185	Max.16m
SE4P30-1350L	Transmitter + Receiver	30	1320	1345	Max.16m
SE4P30-1500L	Transmitter + Receiver	30	1480	1505	Max.16m
SE4P30-1650L	Transmitter + Receiver	30	1640	1665	Max.16m
SE4P30-1800L	Transmitter + Receiver	30	1800	1825	Max.16m

SE4P50-300L	Transmitter + Receiver	50	280	305	Max.16m
SE4P50-450L	Transmitter + Receiver	50	440	465	Max.16m
SE4P50-600L	Transmitter + Receiver	50	600	625	Max.16m
SE4P50-750L	Transmitter + Receiver	50	760	785	Max.16m
SE4P50-900L	Transmitter + Receiver	50	920	945	Max.16m
SE4P50-1050L	Transmitter + Receiver	50	1080	1105	Max.16m
SE4P50-1200L	Transmitter + Receiver	50	1160	1185	Max.16m
SE4P50-1350L	Transmitter + Receiver	50	1320	1345	Max.16m
SE4P50-1500L	Transmitter + Receiver	50	1480	1505	Max.16m
SE4P50-1650L	Transmitter + Receiver	50	1640	1665	Max.16m
SE4P50-1800L	Transmitter + Receiver	50	1800	1825	Max.16m

Safety light curtain SE4

Technical parameters:

European standard	EN 61496-1:2020/EN 61496-2:2020/EN61508-1~4:2020/EN ISO 13849-1:2023/EN ISO 13849-2:2012
International standard	IEC 61496-1:2020/IEC61496-2:2020/IEC61508-1~4:2010 ISO 13849-1:2023
Chinese standard	GB4584
Safety level	Type4/SIL3/Category4/Ple
MTTFd	157~557 year uncertain. Please see model details
Emission light source	Infrared LED（Central wavelength 850nm）
Optical axis spacing	10mm/20mm/40mm
Detection accuracy	14mm/25mm/45mm
Protective field height(Number of beams-1）*Optical axis spacing（mm）	
Detection Range	A:0-10M/B:0-16M
Operating temperature	-10℃~55℃（Smooth surface without condensation）
Ambient temperature	-40℃~70℃
Operating humidity	35%RH~85%RH
Ambient humidity	35%RH~95%RH

Anti-optical interference	Incandescent lamp: 3000Lux; Fluorescence: 3000Lux; Sunlight: 10,000 lux
Vibration resistance	Frequency 10Hz-55Hz, amplitude 0.35±0.05mm, X, Y and Z direction 20 times each
Impulse resistance	acceleration 10g, pulse duration 16ms, X, Y and Z direction 1000 times each

Section size	34x28mm
Working voltage	24V DC±20%
Working current	Transmitter :<200mA Receiver :<200mA（No-load）

Response time 4ms-18ms (Increase ordecrease with the number of beams)
 Safety output PNP transistor output x2; ON state, load current ≤100mA,

Output voltage	≥Vcc-2V; OFF state, leakage current ≤1mA,
Residual voltage	≤1V (excluding the effect of wire extension)

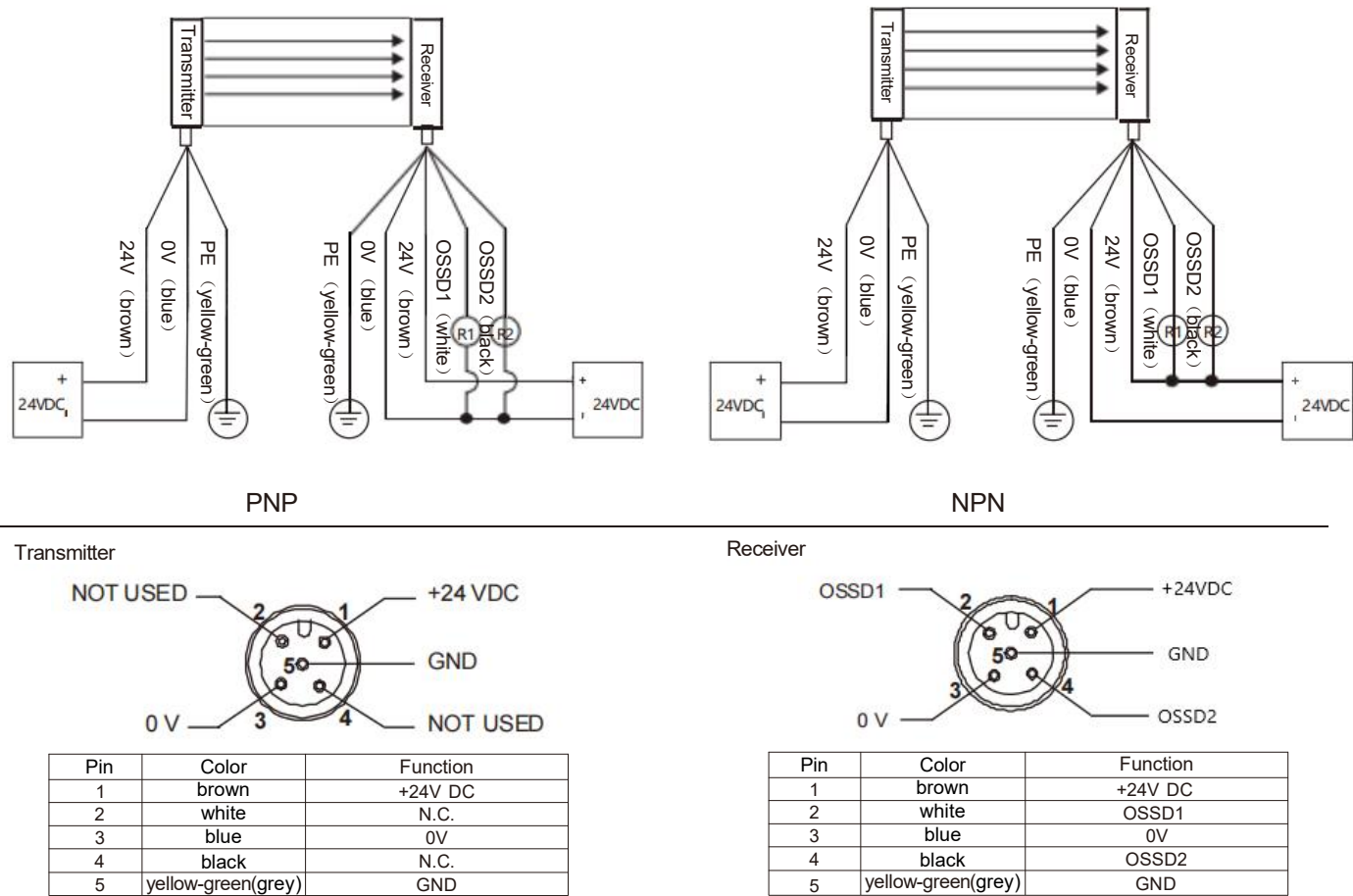
NPN transistor output x2; ON state, load current $\leq 100\text{mA}$, Output voltage $\leq 2\text{V}$; OFF state, leakage current $\leq 1\text{mA}$,
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Start time	<3s
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Detection function	Power-on self-test, real-time self-test during the working process
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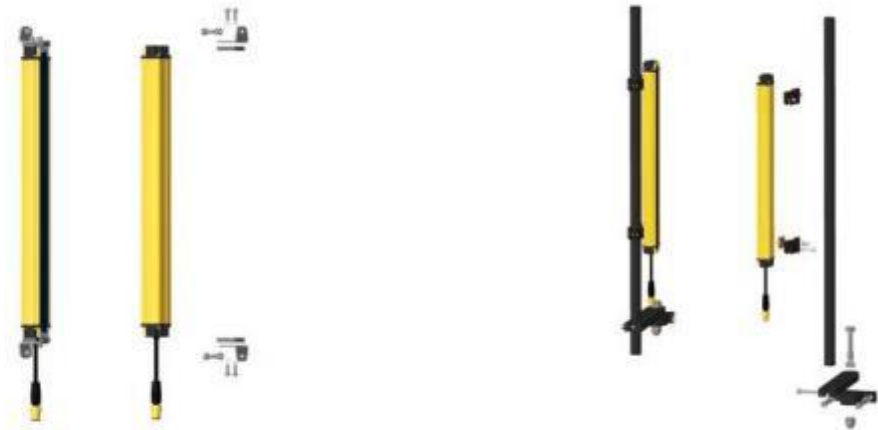
Protection Circuit	Over voltage and over current protection, Output short circuit protection
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Electrical connection diagram:



Notes: height1-Protective field height height2-Product overall height

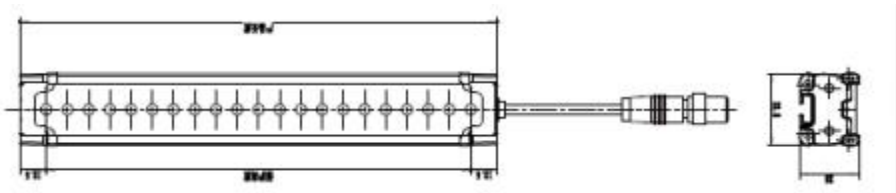
Installation method:



Front and side integrated installation

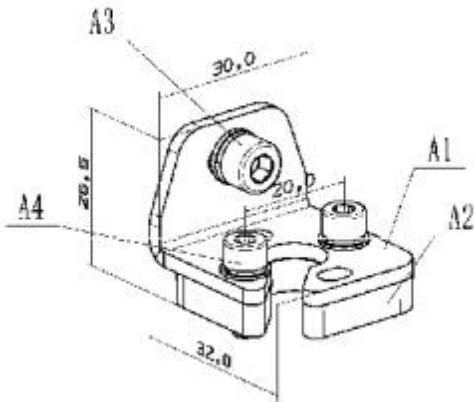
Installation method of tube mounting bracket mode

Raster size diagram:



Mounting bracket size diagram:

Front and side mounting brackets (BT - VC)



Safety light curtain SE4

Installation Accessories (optional):

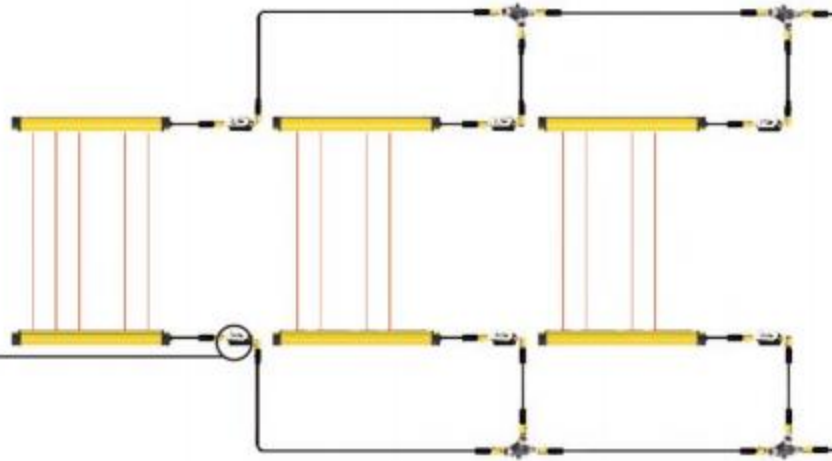
Connection cable	Transmitter: CO-M12-2000E-5GF,2m,PVC,M12, 5pin
	Transmitter: CO-M12-5000E-5GF,5m,PVC,M12,5 pin
	Transmitter: CO-M12-10000E-5GF,10m,PVC,M12,5 pin
	Transmitter: CO-M12-15000E-5GF,15m,PVC,M12,5 pin
	Transmitter: CO-M12-25000E-5GF,25m,PVC,M12,5 pin
Bracket	BT - VC,1 piece
	BT - VCS,1 set, Contains 4 pieces

Cascade scheme:

The cascade uses a split design, on the basis of the SE4 safety grating, add an external cascade controller, after configuration, it can be used in cascade.



Cascade controller



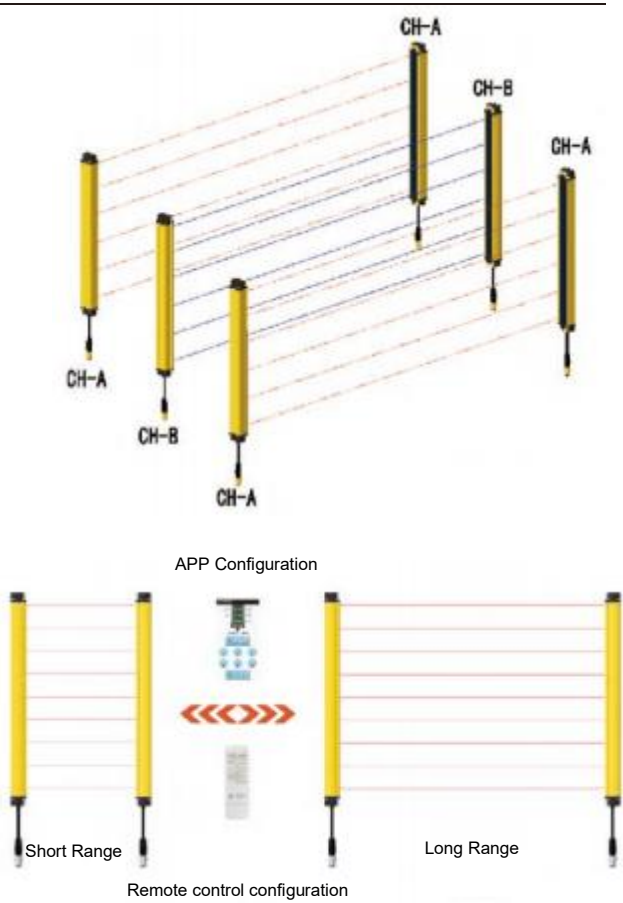
Fully support large and complex scenes, unified scheduling protection, and establish a reliable protection network.

<< Safety product

Safety light curtain SE4

Flexible configuration:

The optical communication channel contains A and B dual-band, which effectively avoids the problem of homologous optical interference between devices.



According to the actual scene, the grating far and near range mode is selected, and the sensitivity is freely adjusted to escort the safety production.

The product is equipped with standard infrared Settings, PNP/NPN output mode is set by one key, compatible with all kinds of equipment, eliminating the trouble of selection, and ready to use.

Beam split display, quick identification of shading, misalignment area.
Visual display of light intensity, equipment status at a glance.

