

Area light curtains **LG20** series



Features

- ◆ Ultra long detection range;
- ◆ Various series and specifications optional, detection range from 140 to 1880mm;
- ◆ Products with self-check function, be able to detect internal exceptions;
- ◆ Strong intensity LED indicates operation status;
- ◆ IP65 protection degree.

Part number

Axis number	8 axes	12 axes	16 axes	20 axes	24 axes
Emitter	LG20-T0805T-F2	LG20-T1205T-F2	LG20-T1605T-F2	LG20-T2005T-F2	LG20-T2405T-F2
NPN NC	LG20-T0805TNA-F2	LG20-T1205TNA-F2	LG20-T1605TNA-F2	LG20-T2005TNA-F2	LG20-T2405TNA-F2
PNP NC	LG20-T0805TPA-F2	LG20-T1205TPA-F2	LG20-T1605TPA-F2	LG20-T2005TPA-F2	LG20-T2405TPA-F2
Protection height	140mm	220mm	300mm	380mm	460mm
Response time	<10ms	<15ms	<20ms	<25ms	<30ms

Axis number	28 axes	32 axes	36 axes	40 axes	44 axes
Emitter	LG20-T2805T-F2	LG20-T3205T-F2	LG20-T3605T-F2	LG20-T4005T-F2	LG20-T4405T-F2
NPN NC	LG20-T2805TNA-F2	LG20-T3205TNA-F2	LG20-T3605TNA-F2	LG20-T4005TNA-F2	LG20-T4405TNA-F2
PNP NC	LG20-T2805TPA-F2	LG20-T3205TPA-F2	LG20-T3605TPA-F2	LG20-T4005TPA-F2	LG20-T4405TPA-F2
Protection height	540mm	540mm	700mm	780mm	860mm
Response time	<35ms	<35ms	<45ms	<50ms	<55ms

Axis number	48 axes
Emitter	LG20-T4805T-F2
NPN NC	LG20-T4805TNA-F2
PNP NC	LG20-T4805TPA-F2
Protection height	940mm
Response time	<60ms

Technical specifications

Detection width	0.1~5m	Intensity of illumination	Incandescent lamp: intensity of illumination 4,000lux
Axis distance	20mm	Protection degree	IP65
Sensing object	Φ 30mm opaque object	Connection	18cm cable with M12 connector
Power voltage	12~24V DC±10%	Accessory	5m Connection cable(QE12-N4F5, QE12-N3F5)
Light sources	850nm Infrared(modulate)		
Anti-vibration	10Hz~55Hz, amplitude: 1.2mm, 2 hours each for X, Y, Z direction		
Anti-shocking	Acceleration: 500m/s ² (approx: 50G), 3 times each for X, Y, Z direction		
Circuit protection	Reverse polarity, short-circuit protection, overload protection		
Ambient humidity	35%~85%RH, storage: 35%~85%RH		
Ambient temperature	-10°C~+55°C (dewed or iced forbidden), storage: -10°C~+60°C		
Housing material	Housing: AL; Light cover: PC; End cover: enhanced nylon		
Current consumption	Emitter: <60mA (Current consumption has nothing to do with the number of axes) Receiver: <45mA (8 axes, current consumption will increase 5mA when 8 axes increased)		

Dimensions

