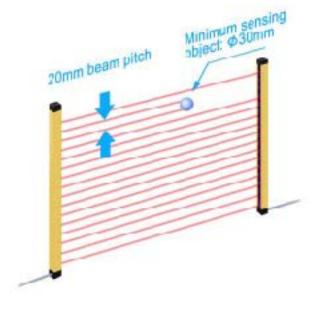
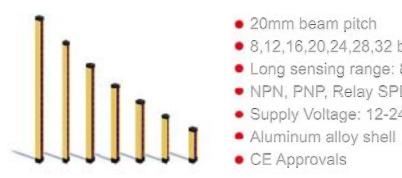




Varily:e°

SL₂ SERIES Photoelectric Area Sensor

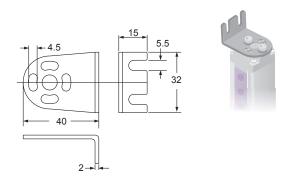




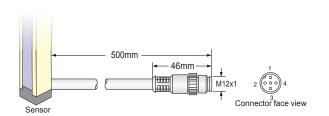
- 20mm beam pitch
- 8,12,16,20,24,28,32 beam channels
- Long sensing range: 8m
- NPN, PNP, Relay SPDT Output mode
- Supply Voltage: 12-24VDC

SL 2 SERIES PHOTOELECTRIC AREA SENSOR

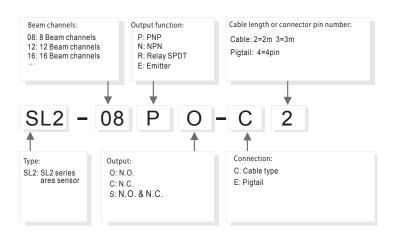
Bracket Dimensions



Diameter for Pigtail connect

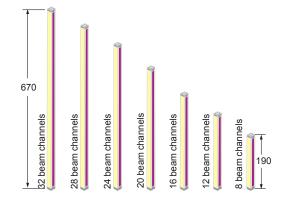


Selection Guide



Wide variety

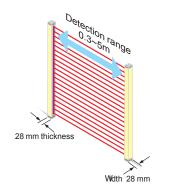
There are eight types of sensors having a sensing height ranging from 190mm(8 beam channels) to 670mm (32 beam channels).



detecting falling objects whose path is uncertain

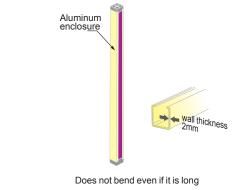
Space-saving design

With its 28 mm width and 28 mm thickness, it is small and requires the least installation space in the industry. It can be installed in small spaces incorporated within equipment.



Robust Aluminum Enclosure

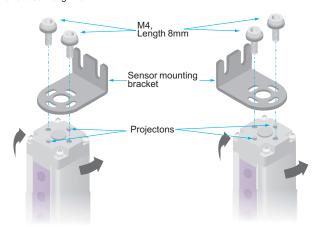
The modules are protected by a robust aluminum enclosure comforming to IP65 protection.





Mounting

Choose the mounting direction for the sensor mounting bracket based on the mounting direction (side or back), and temporarily tighten the brackets with the two hexagon-socket-head bolts for adjusting the mounting angle (M4 length 8mm). Tighten two hexagon-socket -head bolts securely, after beam alignment.

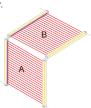


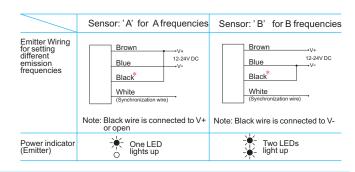
Interference Prevention Function

By setting different emission frequencies, two units of SL2 can be mounted close together, as shown in the figure on the right.

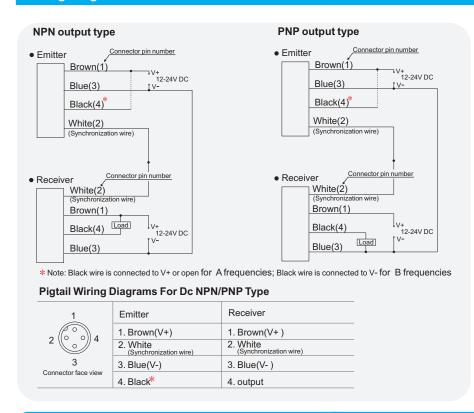
The emission frequency can be checked by the number of power indicators

lighting up on the emitter.

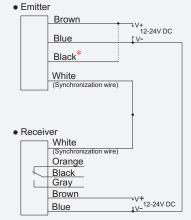




Wiring Diagram



Relay SPDT output type



* Note: Black wire is connected to V+ or open for A frequencies; Black wire is connected to V- for B frequencies

Sensing Characteristics(typical)

Parallel deviation(all models) Angular deviation all models -0 8 Receiver → Right Center Operating angle θ (°) Operating point ℓ (mm)

8 beam channels and 12 beam channels

Contect Digital Digita	Number of	f beam channels			8 beam chann	nels			,	12 beam chanr	nels	
Sensor Paris Successor	Connect		,	Cable		Р	igtail				Р	igtail
Receiver N.O. N.C. N.C. SL2-88PO-C2 SL2-88PO-C2 SL2-88PO-C2 SL2-88PO-C4 SL2-88PO-C4 SL2-88PO-C5 SL2-88PO-C5 SL2-88PO-C5 SL2-88PO-C5 SL2-88PO-C5 SL2-88PO-C5 SL2-88PO-C5 SL2-88PO-C5 SL2-128PO-C5					,							
Sensing height N.C. IN.O. Selection of the control	Emitter				SL2-08ES-C2					SL2-12ES-C2		
Sensing height Strategy and the sense of the	Receiver											
Sersing height Sersing nange Been pitch Supply redged Supp			SL2-08NC-C2	SL2-08PC-C2	CI 2 00DC C2	SL2-08NC-E4	SL2-08PC-E4	SL2-12NC-C2	SL2-12PC-C2	CI 2 42DC C2	SL2-12NC-E4	SL2-12PC-E4
Sensing range Beam glich Sensing object Sensing object Supply votage Current consumption(at DC 24V) Cutput PRP PRP PRP person-collector transistor, Max. load current: 100mA; Votage Drop; < 1.5V Relay Relay Relay Response time for RPMPRP type Proper-collector transistor, Max. load current: 100mA; Votage Drop; < 1.5V Relay SPDT, 5A/250VAC, 5A/30VDC Output operation Short-circuit plotection Short-circuit plotection Findicators Entitler Indicators Entitler Response time for RPMPRPy type Proper-collector transistor, Max. load current: 100mA; Votage Drop; < 1.5V Relay SPDT, 5A/250VAC, 5A/30VDC Ottput operation ON when all beams are received, OFF when one or more beams are interrupted. Incorporated Incorporated Incorporated Incorporated Incorporated Operation indicator: Red LED(tight up when the power is ON; emission frequency A or B is indicated by the number of LEDs lightly Interference prevention function Ambient humidity Ambient humidity Satisface Sunlight: 10,000 V.at the light-receiving face, incandescent light: 30,000 V.at the light-receiving face, incandescent light: 30,000 V.at the light-receiving face. Planting element Response time of the properties of the properti		N.C.+N.O.			SLZ-00RS-CZ					3L2-12R3-02		
Sensing range Beam glich Sensing object Sensing object Supply votage Current consumption(at DC 24V) Cutput PRP PRP PRP person-collector transistor, Max. load current: 100mA; Votage Drop; < 1.5V Relay Relay Relay Response time for RPMPRP type Proper-collector transistor, Max. load current: 100mA; Votage Drop; < 1.5V Relay SPDT, 5A/250VAC, 5A/30VDC Output operation Short-circuit plotection Short-circuit plotection Findicators Entitler Indicators Entitler Response time for RPMPRPy type Proper-collector transistor, Max. load current: 100mA; Votage Drop; < 1.5V Relay SPDT, 5A/250VAC, 5A/30VDC Ottput operation ON when all beams are received, OFF when one or more beams are interrupted. Incorporated Incorporated Incorporated Incorporated Incorporated Operation indicator: Red LED(tight up when the power is ON; emission frequency A or B is indicated by the number of LEDs lightly Interference prevention function Ambient humidity Ambient humidity Satisface Sunlight: 10,000 V.at the light-receiving face, incandescent light: 30,000 V.at the light-receiving face, incandescent light: 30,000 V.at the light-receiving face. Planting element Response time of the properties of the properti												
Beam glob Sensing object Supply voltage 12 to 24V DC 10% Ripple p-p 10% or less Emitter: 18.5mA, Receiver-58mA Emitter: 19mA, Receiver-58mA		•	,		140mm					220mm		
Sensing object Supply voltage Current consumption (at DC 24V) Output PIP Relay Relay Replay PIP Relay Response time for NPWIPIP proper-collector transistor, Max. load current: 100mA; Voltage Drop; < 1,5V Relay Relay Relay Response time for NPWIPIP proper-collector transistor, Max. load current: 100mA; Voltage Drop; < 1,5V Relay SPDT. 5A/250VAC, 5A/30VDC Output operation ON when all beams are received, OFF when one or more beams are interrupted. Incorporated Incorporated Receiver Interference prevention function Ambient thumistry Ambient flumistry Sunlight: 10,000 % at the light-receiving face, incorporated fluminantly Sunlight: 10,000 % at the light-receiving face, incorporated fluminance REMC immunity Sunlight: 10,000 % at the light-receiving face, incorporated fluminance Resistance Vibration resistance Vibration resistance 10 to 150 Hz frequency, 0.75 mm 0.030 in amplitude in X, Y and Z directions for three horse and supply terminals connected together and enclosure Finding element Material 65.0 PVC 2m, 4x0.5mm² 66.0 25mm² 50 PVC 2m, 4x0.5mm² 69.0 PVC 2m, 4x0.5mm² 60.0 25mm² 60												
Supply voltage NPN PNP												
Current consumption(at DC 24V) Emitter: 18.5mA, Roceiver: 41mA Emitter: 19mA, Roceiver: 58mA			_						orless			
NPN PNP				Fmitter: 18 5	mA. Receiver		27V DO 1070			Receiver:58m	A	
Output PNP Relay PNP open-collector transistor, Max load current: 100mA; Votage Drop; <1.5V Relay Relay PDT, SA/250VAC, 5A/30VDC Output operation ON when all beams are received, OFF when one or more beams are interrupted. Short-circuit potection Emitter Response time for NPNPPH type indicators. Emitter Receiver Interference prevention function Ambient humidity Ambient lituminance Sto 16 5% R. H., Storage: -10 to -60°C EMC immunity Sto 16 5% R. H., Storage: -3 to 85 % R. H. Most get withstand ability 1,000 V AC for one min. between all supply terminals connected together and enclosure Vibration resistance 20 MΩ, or more, with 250 V DC megger between all supply terminals connected together and enclosure Shock resistance 490m/s², acceleration(50G approx) in X, Y and Z directions for two hours each Material Enclosure: Aluminum, lens: polyester Cable or pigtal Ø5.0 PVC 2m, 4x0.5mm² Ø5.0 PVC 2m, 4x0	22			_muo. 10.3			istor, Max.load c				, ·	
Output operation Short-circular plotection Response time for NPNPN type Indicators Response time for NPNPNPN type Indicators Reserber Interference prevention function Ambient temperature Ambient tilluminance EMC immunity Voltage withstand ability Insulation resistance Insulation resistance Shock resistance Shock resistance Shock resistance Agomination Weigh(approx.) ON when all beams are received, OFF when one or more beams are interrupted. Incorporated I	Output		/									
Incorporated Incorporated	·	Relay			-	R	elay SPDT, 5A/2	250VAC, 5A/30V	DC			
Response time for MPNIPNP type Indicators Emitter Receiver Power indicators: green LEDX2(light up when the power is ON; emission frequency A or B is indicated by the number of LEDS light Operation indicator: Red LED(lights up when one or more beams are interrupted), Stable indicator: Green LED(lights up when all beams are stably received incorporated	Output oper	ration	,		ON wher	n all beams are	received, OFF	when one or mo	e beams are in	terrupted.		
Power indicator: green LEDX2(light up when the power is ON; emission frequency A or B is indicated by the number of LEDs light Operation Indicator: Green LED(lights up when all beams are stably receive Interference prevention function Ambient humidity Ambient humidity												
Interference prevention function Ambient temperature Ambient temperature Ambient minutity Ambient minutity Ambient minutity Solutify: 10,000 x at the light-receiving face, incandescent light: 3,000 x at the light-receiving face emandes with 550 v Dr. Garger between all supply terminals connected together and enclosure 10 to 150 Hz frequency, 0.75 mm 0.030 in amplitude in X, Y and Z directions for two hours each Solve or pigtail Cable or pigtail Weigh(approx.) Operation indicator: Red LED(lights up when all beams are stably received incorporated incorp	Response ti				I EDVO				A D: : I			P 1 C \
Incerpence prevention function Ambient temperature Ambient memorature 35 to 85 % RH	Indicators											
Ambient temperature Ambient humidity Ambient humidity Source Sunlight: 10,000 ℓ x at the light-receiving face, incandescent light: 3,000 ℓ x at the light-receiving face EMC immunity Voltage withstand ability Insulation resistance Shock resistance Shock resistance Shock resistance Material Cable or pigtall Velgh(approx.) Ambient imminate Sunlight: 10,000 ℓ x at the light-receiving face, incandescent light: 3,000 ℓ x at the light-receiving face RFI>10V/m(in 30-1000MHZ), EFT>1KV, ESD>4KV(contact) 1,000 ℓ AC for one min. between all supply terminals connected together and enclosure 20 MΩ, or more, with 250 ℓ DC megger between all supply terminals connected together and enclosure 20 MΩ, or more, with 250 ℓ DC megger between all supply terminals connected together and enclosure 10 to 150 Hz frequency, 0.75 mm 0.030 in amplitude in X, Y and Z directions for two hours each Shock resistance 490m/s², acceleration(50G approx) in X, Y and Z directions for three times each Infrared LED Enclosure: Aluminum, lens: polyester Ø5.0 PVC 2m, 4x0.5mm² Ø5.0 PVC 2m, 4x0.5mm² Ø5.0 PVC 2m, 4x0.5mm² Euro style connected 230g 240g 220g 285.5g 295.5g 275.5c	Interference		Operation in	idicator: Red LEI	(lights up when	one or more bea			: Green LED(ligh	ts up when all be	ams are stably re	eceivea)
Ambient hunidity 35 to 85 % RH, Storage: 35 to 85 % RH Ambient liluminance Sunlight: 10,000 k at the light-receiving face, Incandescent light: 3,000 k at the light-receiving face. EMC immunity RFI>10V/m(in 30-1000MHZ), EFI>1KV, ESD>4KV(contact) Voltage withstand ability 1,000 V AC for one min. between all supply terminals connected together and enclosure Insulation resistance 20 MΩ, or more, with 250 V DC megger between all supply terminals connected together and enclosure Vibration resistance 10 to 150 Hz frequency, 0.75 mm 0.030 in amplitude in X, Y and Z directions for two hours each Shock resistance 490m/s*, acceleration(50G approx) in X, Y and Z directions for three times each Emitting element Infrared LED Material Enclosure: Aluminum, lens: polyester Cable or pigtall Φ5.0 PVC 2m, 4x0.5mm² Φ5.0 PVC 2m, 4x0.5mm² Φ5.0 PVC 2m, 4x0.5mm² Φ5.0 PVC 2m, 4x0.5mm² Euro style connector Weigh(approx.) 230g 240g 220g 285.5g 295.5g 275.5g						-1)°C			
Ambient illuminance EMC immunity RFI>100/Im(in 30-1000MHz), EFT-1KV, ESD-4KV/(contact) Voltage withstand ability 1,000 V AC for one min, between all supply terminals connected together and enclosure Insulation resistance 20 MΩ, or more, with 250 V DC megger between all supply terminals connected together and enclosure 10 to 150 Hz frequency, 0.75 mm 0.030 in amplitude in X, Y and Z directions for two hours each Shock resistance 10 to 150 Hz frequency, 0.75 mm 0.030 in amplitude in X, Y and Z directions for two hours each Infrared LED Material Enclosure: Aluminum, lens: polyester 45.0 PVC 2m, 4x0.5mm²		·	_									
MR Notation Nota				Sunli	ight: 10,000ℓx a					light-receiving	g face	
Insulation resistance 20 MΩ, or more, with 250 V DC megger between all supply terminals connected together and enclosure	EMC immu	unity										
Vibration resistance 10 to 150 Hz frequency, 0.75 mm 0.030 in amplitude in X, Y and Z directions for two hours each Shock resistance 490m/s², acceleration(50G approx) in X, Y and Z directions for three times each Emitting element Infrared LED Material Enclosure: Aluminum, lens: polyester Cable or pigtail Ø5.0 PVC 2m, 4x0.5mm² Ø5.0 PVC 2m, with m12 Euro style connector Ø 5.0 PVC 2m, 4x0.5mm² Ø5.0 PVC 2m, with m2 Euro style connector Weigh(approx.) 230g 240g 220g 285.5g 295.5g 275.5g	Voltage with	hstand ability	,		1,000 V AC fo	r one min. betv	veen all supply	terminals conne	cted together	and enclosure		
Shock resistance												
Emitting element											ach	
Enclosure: Aluminum, lens: polyester				490	0m/s², accelera	ation(50G appr			three times ead	ch		
Cable or pigtail ### ### ### ### ### ### ### ### ### #		ement							-4			
Cable or pigtall	Material		/		₫5 Ω P\/C 2m			ium, iens: poiye	ster	φ5 0 P\/C 2m	ØE 0 DVC 2	m with m12
Weigh(approx.) 230g 240g 220g 285.5g 295.5g 275.5g	Cable or pig	gtail	Ø 5.0 PVC 2n	n, 4x0.5mm²				Ø 5.0 PVC 2m	, 4x0.5mm²			
190 170 C	Weigh(app	rox.)	230	g	240g	22	20g	28	5.5g	295.5g	-	
			190 170	28	→ 28	28 190 170 C 190 170 C 10 C		270 25(28 28 20 20 20 20 20 20 20 20 20 20 20 20 20	28	28 28 2 20 20 2 270 250 2 20 2 20 2 20 2 20 2	

16 beam channels and 20 beam channels

Number of beam channels			16 beam char	nnels			2	20 beam chanr	nels	
Connect	(Cable		Р	igtail		Cable		P	gtail
Output		P output	Relay SPDT		PNP output	NPN output	PNP output	-	NPN output	
Emitter			SL2-16ES-C2		SL2-16ES-E4	SL2-20ES-C2		SL2-20ES-C2		SL2-20ES-E4
Receiver N.O.	/	2-16PO-C2			SL2-16PO-E4	SL2-20NO-C2			SL2-20NO-E4	
N.C. N.C.+N.O.	SL2-16NC-C2 SL2	2-16PC-C2	SL2-16RS-C2	SL2-16NC-E4	SL2-16PC-E4	SL2-20NC-C2	SL2-20PC-C2	SL2-20RS-C2	SL2-20NC-E4	SL2-20PC-E4
14.0.44.0.	_		OLL TORO OL					OLL LUNG OL		
Sensing height	,		300mm					380mm		
Sensing range						Bm				
Beam pitch	<u> </u>					mm				
Sensing object	_				30mm or more					
Supply voltage Current consumption(at DC 12V)		-mittar: 40	- EmΛ D'		24V DC 10%	Ripple p-p 10%		\	7m ^	
NPN	-	emitter: 19	0.5mA, Receiv		istor May load c	urrent:100mA; V		A, Receiver:87	rmA	
Output PNP	/					urrent:100mA; V				
Relay					,	50VAC, 5A/30VI				
Output operation			ON wh	nen all beams a	are received, OF	F when one or n	nore beams are	interrupted.		
Short-circuit ptotecton	,				Incorp	oorated				
Response time for NPN/PNP type						or less				
Indicators Emitter						mission frequen	•			0 0 17
Receiver	Operation indic	cator: Red L	.ED(lights up whe	en one or more b		ted), Stable indica	tor: Green LED(li	ghts up when all	beams are stably	received)
Interference prevention function				1		orated orage:-10 to +60	\°C			
Ambient temperature Ambient humidity	/					rage: 35 to 85 %				
Ambient illuminance	/	Sunli	aht: 10 000ex :			andescent light:		light-receiving	n face	
EMC immunity	/	Curin	_			EFT>1KV, ESE			9 1400	
Voltage withstand ability						terminals conne	,	,		
Insulation resistance	-					supply terminal			closure	
Vibration resistance	,	10	to 150 Hz frequ	uency, 0.75 mr	n 0.030 in ampl	itude in X, Y and	Z directions fo	or two hours ea	ach	
Shock resistance	,	490	0m/s², accelera	ation(50G appr	ox) in X, Y and 2	Z directions for t	three times ead	ch		
Emitting element						ared LED				
Material			4505000			um, lens: polye	ster	4 5 0 DV 0 0		
Cable or pigtail	Ø 5.0 PVC 2m, 4x0	.5mm²	Ø5.0 PVC 2m, 6x0.25mm ²		m, with m12 connector	Ø 5.0 PVC 2m	, 4x0.5mm²	Φ 5.0 PVC 2m, 6x0.25mm ²	Ø5.0 PVC 2r Euro style	
Weigh(approx.)	341g		351g		31g	3	96.7g	406.7g		86.7
vveign(approx.)	/ O+19		0019	30	719	3	30.7g	400.7g	3	00.1
	350 330 2 20 20 20 20 20 20 20 20 20 20 20 20		* 28 * 28	350 330 0		430 410 00 00 00 00 00 00 00 00 00 00 00 00 0	28 t t 20	28	430 410 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	28
					4-					

24 beam channels and 28 beam channels

Number of beam channels			24 beam char	nnels			2	28 beam chanr	nels	
Connect		Cable			igtail		Cable		1	gtail
Output	NPN output	PNP output	Relay SPDT		PNP output	NPN output	PNP output	Relay SPDT	NPN output	
Emitter	SL2-24ES-C2	SL2-24ES-C2	SL2-24ES-C2	SL2-24ES-E4	SL2-24ES-E4	SL2-28ES-C2	SL2-28ES-C2	SL2-28ES-C2	SL2-28ES-E4	SL2-28ES-E
Receiver N.O.	SL2-24NO-C2	SL2-24PO-C2		SL2-24NO-E4	SL2-24PO-E4	SL2-28NO-C2	SL2-28PO-C2		SL2-28NO-E4	SL2-28PO-E
N.C.	SL2-24NC-C2	SL2-24PC-C2		SL2-24NC-E4	SL2-24PC-E4	SL2-28NC-C2	SL2-28PC-C2		SL2-28NC-E4	SL2-28PC-E
N.C.+N.O.	,		SL2-24RS-C2			·		SL2-28RS-C2		
Sensing height			460mm					540mm		
Sensing range						lm				
Beam pitch						mm				
Sensing object					30mm or more					
Supply voltage					24V DC 10%	Ripple p-p 10%				
Current consumption(at DC 12V)		Emitter: 20).5mA, Receiv					A, Receiver:11	17mA	
NPN	_				istor, Max.load c					
Output PNP	_		PNP open-		stor, Max.load co			.5V		
Relay					elay SPDT, 5A/2	· · · · · · · · · · · · · · · · · · ·				
Output operation	_		ON wh	nen all beams a	are received, OF		nore beams are	interrupted.		
Short-circuit ptotecton	/					orated				
Response time for NPN/PNP type	/ D		LEDV0/II-			or less	A D i iii			: - 4!
Indicators Emitter			, , ,		e power is ON; e		•			0 0 17
Receiver	Operation	indicator: Red L	_ED(lights up whe	en one or more b	eams are interrup		tor: Green LED(I	ights up when all	beams are stably	received)
Interference prevention function	_				Incorp		N°C			
Ambient temperature					10 to +55 °C, Sto					
Ambient humidity					to 85 % RH, Sto					
Ambient illuminance		Sunli			eiving face, Inc				g face	
EMC immunity					30-1000MHZ),					
Voltage withstand ability					veen all supply t					
Insulation resistance	_				ger between all					
Vibration resistance					m 0.030 in ampli				ach	
Shock resistance		490	0m/s², accelera	ition(50G appr	ox) in X, Y and 2	Z directions for	three times ead	ch		
Emitting element					Infra	red LED				
Material	·			En	closure: Alumin	um, lens: polye	ster			
Cable or pigtail	Ø 5.0 PVC 2m		Ø5.0 PVC 2m, 6x0.25mm²	Euro style	m, with m12 connector	Ø 5.0 PVC 2m	, 4x0.5mm²	Ø 5.0 PVC 2m, 6x0.25mm ²	Ø5.0 PVC 2i Euro style	
Weigh(approx.)	45	52.3g	462.3g		442.3g	50	8g	518g	49)8g
	10 4 90 510 4 90 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 5 510 4 90 510 4	→28 → 1 20	28	510 490 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8	590 570	28 + 28 + 20 + 20 + 20 + 20 + 20 + 20 +	*28	590 570 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	-28
				-5-		<u>, +</u>			↓ ↓	(100

onnect	f beam channels		Cable	32 beam channels	Pi	gtail
Output		NPN output	PNP output	Relay SPDT	NPN output	PNP output
Emitter		S L 2-32E S - C 2	S L 2-32E S -C 2	S L 2-32E S -C 2	SL2-32ES-E4	SL2-32ES-E4
Receiver	N.O.	S L 2-32NO-C 2	SL2-32PO-C2		S L 2-32NO-E 4	SL2-32PO-E4
	N.C. N.C.+N.O.	SL2-32NC-C2	SL2-32PC-C2	SL2-32RS-C2	S L 2-32NC -E 4	SL2-32PC-E4
ensing he				620mm		
Sensing ra				8m		
Beam pitch				20mm	.	
Sensing ob Supply volt			10+	Ø30mm or more opaque object o 24V DC 10% Ripple p-p 10%		
117	nsumption(at DC 12V)		12 (Emitter:21. 9mA, Receiver:13		
	NPN		NPN open-collector tran	nsistor, Max.load current:100mA;		
Output	PNP		PNP open-collector tran	sistor, Max.load current:100mA;	Votage Drop: <1.5V	
	Relay			Relay SPDT, 5A/250VAC, 5A/30\		
Output ope			ON when all bear	ms are received, OFF when one	or more beams are interrupted.	
	it ptotecton time for NPN/PNP type			Incorporated 10ms or less		
ndicators	Emitter			he power is ON; emission frequen		
	Receiver	Operation indicator: Rec	LED(lights up when one or mo	ore beams are interrupted), Stable inc	dicator: Green LED(lights up when	all beams are stably received
	ce prevention function mperature			Incorporated -10 to +55 , Storage:-10 to +6	0	
Ambient hu				5 to 85 % RH, Storage: 35 to 85		
Ambient ille		Sunlig		eceiving face, Incandescent ligh		face
EMC imm	unity		RFI>10V/m(in 30-1000MHZ), EFT>1KV, ES	D>4KV(contact)	
	hstand ability			tween all supply terminals conn		
Insulation i				egger between all supply termina		
Vibration re				nm 0.030 in amplitude in X, Y ar prox) in X, Y and Z directions for		cn
Shock resis		490	пиъ , ассететаноп(роб ар	prox) in X, Y and Z directions for Infrared LED	unee umes each	
Emitting ele Material	ement /			Intrared LED Enclosure: Aluminum, lens: polye	ester	
Cable or pi	gtail			φ5.0 PVC2m,		2m, with m12
		Ø5.0 PVC 2m,	4xU.5mm ⁻	6x0.25mm ²		le connector
Weigh(app	prox.)	563	9	573g	553	g
		670 6	28	+ 28 P	670 650 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	g*************************************