
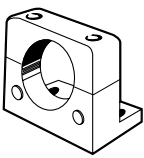



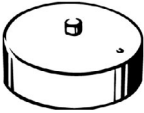



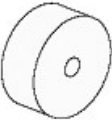
Accessories

Accessories for photoelectric, inductive and capacitive sensors

For cylindrical shapes

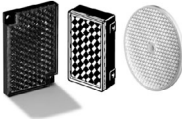
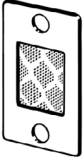


Mounting accessories, covers and slits

Shape	Product group	Type	Housing material	Features	Order reference	Applicable sensors
	Mounting brackets	general purpose - screw fix	plastic	<ul style="list-style-type: none"> - cost efficient mounting bracket - for M8, M12, M18, M30 - surface mounting 	Y92E-B	<ul style="list-style-type: none"> - E3F2 - E2A - E2F
				for dia 34 mm	Y92E-A34	E2K-C
		quick access - snap fix	<ul style="list-style-type: none"> - snap fix for quick sensor access - for M8, M12, M18, M30 - surface mounting 	Y92E-BC	<ul style="list-style-type: none"> - E3F2 (metal housing) - E2A (metal housing) 	
		quick access - clamp fix	stainless steel	<ul style="list-style-type: none"> - clamp fix for quick sensor access with exact repositioning - for M8, M12, M18, M30 - through mounting 		Y92E-G
	Protective covers	general purpose sensor head protection	polyarylate	<ul style="list-style-type: none"> - for M8, M12, M18, M30 - for shielded and unshielded 	Y92E-E	<ul style="list-style-type: none"> - E2A (- E2F)
		sputter protection for sensor head	silicone rubber	<ul style="list-style-type: none"> - increased protection in weld fields - for M12, M18, M30 - for shielded 	Y92E□-2	
		general purpose lens protection	metal rim with glass cover			E39-F31





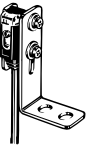
Shape	Product group	Type	Housing material	Features	Order reference	Applicable sensors
	Slits	slit cover	polyarylate	<ul style="list-style-type: none"> - slit cover for precision detection and positioning with through beam photo sensors - for M18 	Y92E-ES18	E3F2-10

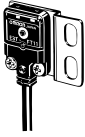
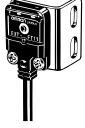




Accessories for photoelectric sensors









For all shapes

Shape	Type	Housing material			Order reference	Applicable Sensors
	General purpose reflectors	<ul style="list-style-type: none"> - ABS - acrylic surface 	<ul style="list-style-type: none"> - square or round shapes - plate or tape reflectors - direct reflective or polarizing - direct mount or bracket mount 	<ul style="list-style-type: none"> - size from 23 x 14 mm up to 100 x 100 mm - IP67 	E39-R	<ul style="list-style-type: none"> - retroreflective photo electric sensors - non polarizing - retroreflective photo electric sensors - polarizing (MSR)
	Harsh environment reflectors	<ul style="list-style-type: none"> - mounting plate stainless steel - reflector acrylic 	<ul style="list-style-type: none"> - direct mount or bracket mount 	<ul style="list-style-type: none"> - size 14 x 13 x 1 mm - IP67 	E39-R37	<ul style="list-style-type: none"> - E3F2-R□-S - E3S-CR
	Non-fogging reflector	<ul style="list-style-type: none"> - ABS - acrylic surface 	<ul style="list-style-type: none"> - anti-fogging coating 	<ul style="list-style-type: none"> - size 40 x 60 x 7.5 mm - IP67 	E39-R1K	
	Adjustment aid for sensitivity adjuster	Polycarbonate			E39-G2	<ul style="list-style-type: none"> - photo electric sensors with adjustable potentiometers







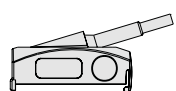
For square shapes
 Mounting and protection

Shape	Type	Housing material	Features	Mounting type	Order reference	Applicable Sensors
	General purpose mounting	Stainless steel (SUS 304)	inclination angle adjustment	side wall mounting	E39-L43	E3Z
				back wall mounting	E39-L44	
			surface mounting	E39-L104		
			back wall mounting	E39-L117	E3T-S	
			surface mounting	E39-L116		





Shape	Type	Housing material	Features	Mounting type	Order reference	Applicable Sensors			
	General purpose mounting	Stainless steel (SUS 304)		side wall mounting	E39-L120	E3T-F			
				back wall mounting	E39-L119				
				horizontal angle adjustment	E39-L132	E3G-R			
				side and back wall mounting	E39-L131				
				surface mounting	- E39-L139 - E39-L140		E3G-L		
				inclination angle adjustment			surface and back wall mounting (depending on sensor model)	- E39-L87 - E39-L102 - E39-L103	E3S-C
							Side protection	protective side wall mounting	E39-L118





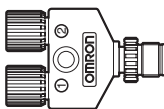
Shape	Type	Housing material	Features	Mounting type	Order reference	Applicable Sensors
	Full protection	Stainless steel (SUS 304)	inclination angle adjustment	protective side wall mounting	E39-L142	E3Z (pre-wired types)
			horizontal angle adjustment	protective surface mounting	E39-L144	
					E39-L98	- E3Z - E3S-C (horizontal)
			E39-L97	E3S-C (vertical)		
	Telescope mounting	Stainless steel (SUS 304)	- 360° horizontal rotation - max telescope length	side and back wall mounting	- E39-L150 - E39-L151	- E3Z - E39-R3
			3D rotation around x, y, and z-axis	side wall, back wall and surface mounting	E39-L93	
			Extension pipe with XY joint	pipe mounting	E39-L93XY	E39-L93
			Reflector adapter for E39-L93	telescope mounting	E39-L96	- E39-R1 - E39-R1S

Slit, filters and other accessories

Shape	Type	Features	Mounting type	Order reference	Applicable Sensors
	Precision detection slit cover	- slit width from dia 0.5 mm for min object size detection of dia 0.2 mm	snap on	E39-S65	E3Z-T
				- E39-S63 - E39-S64	E3T-□T
				E39-S61	E3S-CT
	Mutual interference prevention	polarizing filter for close mounting of multiple sensors		E39-E11	E3Z-T□A
	Adjustment aid	adjustment aid for sensitivity adjustment		E39-E10	E3T-ST1
	Laser aid	beam adjustment aid with laser pointer	snap on	E3NT-AP1	E3NT
	IR data interface	- IR data interface for PC programming - via RS232 or USB		E3NT-AL232	

Cable connectors and wiring accessories

Shape	Product group	Type	Housing material	Features	Key specifications	Order reference	Applicable Sensors
	Cable connectors	General purpose M12 connector	- PVC cable - brass nut	available resistance levels: - standard cable - vibration proof robotic cable - fire retardant cable - screw nut	- 3 A rated current - AC or DC - 4 or 5 pin - IP67	XS2	- sensors with built in M12 4-pin connector (-M1) - sensors with M12 4-pin cable end connector (-M1J) - E3NT (5-pin cable connector)
		Special environment M12 connector	- PVC cable - ZnAl Cu, optionally V2A or V4A nut	- silicone-free - screw nut - optional LED (screw nut models) - halogene-free - silicone-free - oil resistant - screw nut	- 4 A rated current - AC or DC - 4 or 5 pin - IP67, IP68, IP69k	Y92E-M12	- sensors with built in M12 4-pin connector (-M1) - sensors with M12 4-pin cable end connector (-M1J) - E3NT (4-pin and 5-pin cable connector)
		Small size M8 4-pin connector	- PVC cable - brass nut	- screw nuts or snap-in - reduced outer diameter for space saving - standard or vibration proof cable	- 1 A rated current - 125 V DC - 4 pin - IP67	XS3	- sensors with built in M8 4-pin connector (-M3) - sensors with M8 4-pin cable end connector (-M3J)
		General purpose M8 connector	- PVC or PVC/PUR cable - brass nuts	- screw nuts or snap-in - optional LED (screw nut angled models)	- 4 A rated current - 60 V DC - 3 to 4 pin - IP67, IP68	Y92E-M08	- 4-pin or 3-pin connector (-M3 or -M5) - sensors with M8 4-pin or 3-pin cable end connector (-M3J or -M5J)

Shape	Product group	Type	Housing material	Features	Key specifications	Order reference	Applicable Sensors
	Extended wiring accessories	M12 I/O connector terminal boxes	- PBT case - brass connectors	- flat size - for M12 connectors - 4, 6 or 8 contacts per box	- 4 A / port - 10 or 30 V DC - 4 or 5-pin - IP67	XW3B	for all sensors connected via M12 4-pin connections & cables
		Waterproof cover for M12 I/O connector	brass	water proof cover for IP67 rating of X3WB		XS2Z-12	
		M8 I/O connector terminal boxes	- PA 6 case - brass connectors	- cable and connector box connection - for M8 connectors - 4, 6, 8, 10 or 12 contacts per box	- 2 A / port - 10 to 30 V DC - 3 or 4-pin - IP67	934 47	for all sensors connected via M12 3-pin or 4-pin connections & cables
		M12 T-joint and Y-joint plugs	- PVC cable - brass nut	- daisy chain model for 'AND' configurations (T-joint) - direct wiring models for 'OR' configurations (Y-joint) - bifurcate models for signal splitting - aggregate models for reduced wiring	- 3 A rated current - DC - 4-pin - IP67	XS2R	- sensors with built in M12 4-pin connector (-M1) - sensors with M12 4-pin cable end connector (-M1J)
		M8 Y-joint plugs	- PBT case - brass connectors	- direct wiring models for 'OR' configurations - aggregate models for reduced wiring	- 1 A rated current - 125 V DC - 4-pin - IP67	XS3R	- sensors with built in M8 4-pin connector (-M3) - sensors with M8 4-pin cable end connector

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.