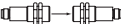


Housing material: Metal (Nickel plated brass)

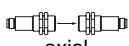
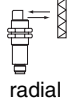
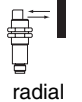
Sensing method			Appearance	Connection method	Sensing distance	Model		
						PNP output	NPN output	
Through-beam	Multi purpose			pre-wired	7 m	E3F2-7B4-M	E3F2-7C4-M	
				M12 connector		E3F2-7B4-M1-M	E3F2-7C4-M1-M	
	- precision detection - test input			pre-wired	10 m	E3F2-10B4-M	E3F2-10C4-M	
				M12 connector		E3F2-10B4-M1-M	E3F2-10C4-M1-M	
Retro-reflective (incl. reflector E39-R1)	Non-polarizing (without MSR function)			pre-wired	0.1 - 2 m ^{(*)1}	—	—	
	Polarizing (with MSR function)			M12 connector		—	—	
				pre-wired		E3F2-R2RB4-M	E3F2-R2RC4-M	
				M12 connector		E3F2-R2RB4-M1-M	E3F2-R2RC4-M1-M	
				pre-wired	E3F2-R4B4F-M	E3F2-R4C4F-M		
	Fixed sensitivity			M12 connector	0.1 - 4 m ^{(*)2}	E3F2-R4B4F-M1-M	E3F2-R4C4F-M1-M	
				pre-wired		E3F2-R4B4-M	E3F2-R4C4-M	
				Adjustable sensitivity		M12 connector	E3F2-R4B4-M1-M	E3F2-R4C4-M1-M
			Non-polarizing (without MSR function)				pre-wired	0.1 - 2 m ^{(*)1}
	Polarizing (with MSR function)		M12 connector	—	—			
			pre-wired	E3F2-R2RB41-M	E3F2-R2RC41-M			
			M12 connector	E3F2-R2RB41-M1-M	E3F2-R2RC41-M1-M			
Diffuse reflective	Fixed sensing distance Wide-beam characteristics			pre-wired	0.1 m	E3F2-DS10B4-M	E3F2-DS10C4-M	
	M12 connector	E3F2-DS10B4-M1-M		E3F2-DS10C4-M1-M				
	Adjustable sensing distance			pre-wired	0.3 m	E3F2-DS30B4-M	E3F2-DS30C4-M	
				M12 connector		E3F2-DS30B4-M1-M	E3F2-DS30C4-M1-M	
			pre-wired	1 m	E3F2-D1B4-M	E3F2-D1C4-M		
			M12 connector		E3F2-D1B4-M1-M	E3F2-D1C4-M1-M		
	Fixed sensing distance Wide-beam characteristics			pre-wired	0.1 m	—	—	
	Adjustable sensing distance			M12 connector		—	—	
		pre-wired		0.3 m	E3F2-DS30B41-M	E3F2-DS30C41-M		
		M12 connector			E3F2-DS30B41-M1-M	E3F2-DS30C41-M1-M		
Background suppression	Fixed sensing distance			pre-wired	10 cm	E3F2-LS10B4-M	E3F2-LS10C4-M	
				M12 connector		E3F2-LS10B4-M1-M	E3F2-LS10C4-M1-M	

^{(*)1} with reflector E39-R1

^{(*)2} with reflector E39-R1S

Note: Standard cable length is 2 m. Models provided with a 5 m long cable are available. When ordering, specify the cable length by adding the length of the cable (e.g. E3F2-R2RB4-M 2M or E3F2-R2RB4-M 5M). For other cable length please contact your OMRON sales representative.

Housing material: Metal (Stainless steel)

Sensing method		Appearance	Connection	Sensing distance	Model	
			method		PNP output	NPN output
Through-beam		 axial	pre-wired	7 m	E3F2-7B4-S	E3F2-7C4-S
			M12 connector		E3F2-7B4-M1-S	E3F2-7C4-M1-S
Retro-reflective (incl. reflector E39-R1)	Non-polarizing (without MSR function)	 axial	pre-wired	0.1 - 2 m (with reflector E39-R1)	—	—
			M12 connector		—	—
	Polarizing (with MSR function)	pre-wired	E3F2-R2RB4-S		E3F2-R2RC4-S	
		M12 connector	E3F2-R2RB4-M1-S		E3F2-R2RC4-M1-S	
	Non-polarizing (without MSR function)	 radial	pre-wired		—	—
			M12 connector		—	—
	Polarizing (with MSR function)		pre-wired		—	—
			M12 connector		—	—
Diffuse reflective	Fixed sensitivity Wide-beam characteristics	 axial	pre-wired	0.1 m	E3F2-DS10B4-S	E3F2-DS10C4-S
			M12 connector		E3F2-DS10B4-M1-S	E3F2-DS10C4-M1-S
	Adjustable sensitivity	 axial	pre-wired	0.3 m	E3F2-DS30B4-S	E3F2-DS30C4-S
			M12 connector		E3F2-DS30B4-M1-S	E3F2-DS30C4-M1-S
	Fixed sensitivity Wide-beam characteristics	 radial	pre-wired	0.1 m	—	—
			M12 connector		—	—
	Adjustable sensitivity		pre-wired	0.3 m	—	—
			M12 connector		—	—
Background suppression		Please contact your OMRON sales representative for these models				

Note: Standard cable length is 2 m. Models provided with a 5 m long cable are available. When ordering, specify the cable length by adding the length of the cable (e.g. E3F2-R2RB4-S 2M or E3F2-R2RB4-S 5M). For other cable length please contact your OMRON sales representative.

AC-Switching Models

Housing material: Plastic

Sensing method		Appearance	Connection	Sensing	Model	
			method	distance	Light-ON	Dark-ON
Through-beam			pre-wired	3 m	E3F2-3Z1	E3F2-3Z2
Retro-reflective (incl. reflector E39-R1)	Non-polarizing (without MSR function)		pre-wired	0.1 - 2 m (with reflector E39-R1)	E3F2-R2Z1	E3F2-R2Z2
Diffuse reflective	Fixed sensing distance Wide-beam characteristics		pre-wired	0.1 m	E3F2-DS10Z1-N	E3F2-DS10Z2-N

Note: Standard cable length is 2 m. Models provided with a 5 m long cable are available. When ordering, specify the cable length by adding the length of the cable (e.g. E3F2-R2Z1 2M or E3F2-R2Z1 5M). For other cable length please contact your OMRON sales representative.