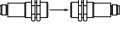
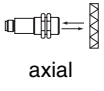

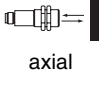

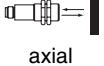


Housing material: Metal (Nickel plated brass)








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