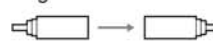
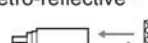
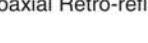
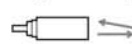


Ordering Information

For metal housing please exchange "A" with "B" in type name; e.g. E3FB-TN11 2M

E3FA Pro Series

 Red light

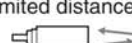
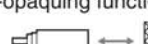
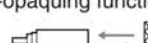
Sensor type	Sensing distance	Connection method	Model	
			NPN output	PNP output
Through-beam ¹ 	 20 m	pre-wired	E3FA-TN11 2M	E3FA-TP11 2M
		M12 connector	E3FA-TN21	E3FA-TP21
Retro-reflective ² 	 0.1 to 4 m	pre-wired	E3FA-RN11 2M	E3FA-RP11 2M
		M12 connector	E3FA-RN21	E3FA-RP21
Coaxial Retro-reflective ² 	 0 to 500 mm	pre-wired	E3FA-RN12 2M	E3FA-RP12 2M
		M12 connector	E3FA-RN22	E3FA-RP22
Diffuse-reflective 	 100 mm	pre-wired	E3FA-DN11 2M	E3FA-DP11 2M
		M12 connector	E3FA-DN21	E3FA-DP21
	 300 mm	pre-wired	E3FA-DN12 2M	E3FA-DP12 2M
		M12 connector	E3FA-DN22	E3FA-DP22
	 1 m	pre-wired	E3FA-DN13 2M	E3FA-DP13 2M
		M12 connector	E3FA-DN23	E3FA-DP23
BGS (background suppression) 	 100 mm	pre-wired	E3FA-LN11 2M	E3FA-LP11 2M
		M12 connector	E3FA-LN21	E3FA-LP21
	 200 mm	pre-wired	E3FA-LN12 2M	E3FA-LP12 2M
		M12 connector	E3FA-LN22	E3FA-LP22

¹ Includes the emitter and receiver.

² The Reflector is sold separately. Select the Reflector model most suited to the application.

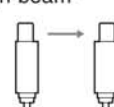
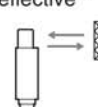
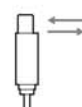
E3FA Pro^{plus} Series

 Red light

Sensor type	Sensing distance	Connection method	Model	
			NPN output	PNP output
Limited distance reflective 	 10 to 50 mm	pre-wired	E3FA-VN11 2M	E3FA-VP11 2M
		M12 connector	E3FA-VN21	E3FA-VP21
Transparent detected with P-opaquiing function ² 	 100 to 500 mm	pre-wired	E3FA-BN11 2M	E3FA-BP11 2M
		M12 connector	E3FA-BN21	E3FA-BP21
Transparent detected with P-opaquiing function ² 	 0.1 to 2 m	pre-wired	E3FA-BN12 2M	E3FA-BP12 2M
		M12 connector	E3FA-BN22	E3FA-BP22

E3RA Pro Series

 Red light

Sensor type	Sensing distance	Connection method	Model	
			NPN output	PNP output
Through-beam ¹ 	 15 m	pre-wired	E3RA-TN11 2M	E3RA-TP11 2M
		M12 connector	E3RA-TN21	E3RA-TP21
Retro-reflective ² 	 0.1 to 3 m	pre-wired	E3RA-RN11 2M	E3RA-RP11 2M
		M12 connector	E3RA-RN21	E3RA-RP21
Diffuse reflective 	 100 mm	pre-wired	E3RA-DN11 2M	E3RA-DP11 2M
		M12 connector	E3RA-DN21	E3RA-DP21
	 300 mm	pre-wired	E3RA-DN12 2M	E3RA-DP12 2M
		M12 connector	E3RA-DN22	E3RA-DP22
	 700 mm	pre-wired	E3RA-DN13 2M	E3RA-DP13 2M
		M12 connector	E3RA-DN23	E3RA-DP23

¹ Includes the emitter and receiver.

² The Reflector is sold separately. Select the Reflector model most suited to the application.