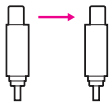
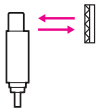
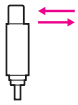
Sensors (E3RA Plastic housing) [Refer to *Dimensions on page 16.*]

Red light

Sensor type	Sensing distance	Connection method	Model	
			NPN output	PNP output
Through-beam *1. 	15 m	pre-wired	**set E3RA-TN11 2M** Emitter E3RA-TN11-L 2M Receiver E3RA-TN11-D 2M	**set E3RA-TP11 2M** Emitter E3RA-TP11-L 2M Receiver E3RA-TP11-D 2M
		M12 connector	**set E3RA-TN21** Emitter E3RA-TN21-L Receiver E3RA-TN21-D	**set E3RA-TP21** Emitter E3RA-TP21-L Receiver E3RA-TP21-D
Retro-reflective with MSR function *2. 	0.1 to 3 m with E39-R1S	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. The set type includes the emitter and receiver.
*2. The Reflector is sold separately. Select the Reflector model most suited to the application.

Sensors (E3FB/E3RB Metal housing) [Refer to *Dimensions on page 17.*]

Red light

Sensor type	Sensing distance	Connection method	Model	
			NPN output	PNP output
Through-beam *1.	20 m	pre-wired	**set E3FB-TN11 2M** Emitter E3FB-TN11-L 2M Receiver E3FB-TN11-D 2M	**set E3FB-TP11 2M** Emitter E3FB-TP11-L 2M Receiver E3FB-TP11-D 2M
		M12 connector	**set E3FB-TN21** Emitter E3FB-TN21-L Receiver E3FB-TN21-D	**set E3FB-TP21** Emitter E3FB-TP21-L Receiver E3FB-TP21-D
Retro-reflective with MSR function *2.	0.1 to 4 m with E39-R1S	pre-wired	**E3FB-RN11 2M**	**E3FB-RP11 2M**
		M12 connector	**E3FB-RN21**	**E3FB-RP21**
Coaxial Retro-reflective with MSR function *2.	0 to 500 mm with E39-R1S	pre-wired	**E3FB-RN12 2M**	**E3FB-RP12 2M**
		M12 connector	**E3FB-RN22**	**E3FB-RP22**
Diffuse-reflective	100 mm	pre-wired	**E3FB-DN11 2M**	**E3FB-DP11 2M**
		M12 connector	**E3FB-DN21**	**E3FB-DP21**
	300 mm	pre-wired	**E3FB-DN12 2M**	**E3FB-DP12 2M**
		M12 connector	**E3FB-DN22**	**E3FB-DP22**
	1 m	pre-wired	**E3FB-DN13 2M**	**E3FB-DP13 2M**
		M12 connector	**E3FB-DN23**	**E3FB-DP23**
BGS (background suppression)	100 mm	pre-wired	**E3FB-LN11 2M**	**E3FB-LP11 2M**
		M12 connector	**E3FB-LN21**	**E3FB-LP21**
	200 mm	pre-wired	**E3FB-LN12 2M**	**E3FB-LP12 2M**
		M12 connector	**E3FB-LN22**	**E3FB-LP22**
Limited distance reflective	10 to 50 mm	pre-wired	**E3FB-VN11 2M**	**E3FB-VP11 2M**
		M12 connector	**E3FB-VN21**	**E3FB-VP21**
Transparent detected with P-opaquing function *2.	100 to 500 mm with E39-RP1	pre-wired	**E3FB-BN11 2M**	**E3FB-BP11 2M**
		M12 connector	**E3FB-BN21**	**E3FB-BP21**
Transparent detected with P-opaquing function *2.	0.1 to 2 m with E39-RP1	pre-wired	**E3FB-BN12 2M**	**E3FB-BP12 2M**
		M12 connector	**E3FB-BN22**	**E3FB-BP22**
Through-beam *1.	15 m	pre-wired	**set E3RB-TN11 2M** Emitter E3RB-TN11-L 2M Receiver E3RB-TN11-D 2M	**set E3RB-TP11 2M** Emitter E3RB-TP11-L 2M Receiver E3RB-TP11-D 2M
		M12 connector	**set E3RB-TN21** Emitter E3RB-TN21-L Receiver E3RB-TN21-D	**set E3RB-TP21** Emitter E3RB-TP21-L Receiver E3RB-TP21-D
Retro-reflective with MSR function *2.	0.1 to 3 m with E39-R1S	pre-wired	**E3RB-RN11 2M**	**E3RB-RP11 2M**
		M12 connector	**E3RB-RN21**	**E3RB-RP21**
Diffuse-reflective	100 mm	pre-wired	**E3RB-DN11 2M**	**E3RB-DP11 2M**
		M12 connector	**E3RB-DN21**	**E3RB-DP21**
	300 mm	pre-wired	**E3RB-DN12 2M**	**E3RB-DP12 2M**
		M12 connector	**E3RB-DN22**	**E3RB-DP22**
	700 mm	pre-wired	**E3RB-DN13 2M**	**E3RB-DP13 2M**
		M12 connector	**E3RB-DN23**	**E3RB-DP23**

*1. The set type includes the emitter and receiver.
*2. The Reflector is sold separately. Select the Reflector model most suited to the application.