



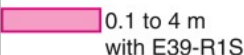

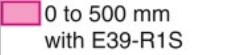













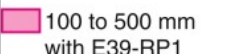

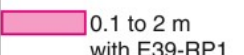


Ordering Information



Sensors (E3FA Plastic housing) [Refer to Dimensions on page 21.]

 Red light  Infrared light

| Sensor type | Sensing distance | Connection method | Model | |
|---|---|-------------------|--|--|
| | | | NPN output | PNP output |
| Through-beam *1.  |  20 m | pre-wired | set E3FA-TN11 2M Emitter E3FA-TN11-L 2M Receiver E3FA-TN11-D 2M | set E3FA-TP11 2M Emitter E3FA-TP11-L 2M Receiver E3FA-TP11-D 2M |
| | | M12 connector | set E3FA-TN21 Emitter E3FA-TN21-L Receiver E3FA-TN21-D | set E3FA-TP21 Emitter E3FA-TP21-L Receiver E3FA-TP21-D |
| |  15 m | pre-wired | set E3FA-TN12 2M Emitter E3FA-TN12-L 2M Receiver E3FA-TN12-D 2M | set E3FA-TP12 2M Emitter E3FA-TP12-L 2M Receiver E3FA-TP12-D 2M |
| | | M12 connector | set E3FA-TN22 Emitter E3FA-TN22-L Receiver E3FA-TN22-D | set E3FA-TP22 Emitter E3FA-TP22-L Receiver E3FA-TP22-D |
| Retro-reflective with MSR function *2.  |  0.1 to 4 m with E39-R1S | pre-wired | E3FA-RN11 2M | E3FA-RP11 2M |
| | | M12 connector | E3FA-RN21 | E3FA-RP21 |
| Coaxial Retro-reflective with MSR function *2.  |  0 to 500 mm with E39-R1S | 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 |
| |  100 mm | pre-wired | E3FA-DN14 2M | E3FA-DP14 2M |
| | | M12 connector | E3FA-DN24 | E3FA-DP24 |
| |  300 mm | pre-wired | E3FA-DN15 2M | E3FA-DP15 2M |
| | | M12 connector | E3FA-DN25 | E3FA-DP25 |
| |  1 m | pre-wired | E3FA-DN16 2M | E3FA-DP16 2M |
| | | M12 connector | E3FA-DN26 | E3FA-DP26 |
| 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 |
| 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-opaqing function *2.  |  100 to 500 mm with E39-RP1 | pre-wired | E3FA-BN11 2M | E3FA-BP11 2M |
| | | M12 connector | E3FA-BN21 | E3FA-BP21 |
| Transparent detected with P-opaqing function *2.  |  0.1 to 2 m with E39-RP1 | pre-wired | E3FA-BN12 2M | E3FA-BP12 2M |
| | | M12 connector | E3FA-BN22 | E3FA-BP22 |

*1. The set type includes the emitter and receiver.

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