| Size | | | Sensing distance | Connecting method (See note 1.) | Body length | Output configuration | Operation mode NO | Operation mode NC |
|---|---|---|---|---|---|---|---|---|
| M18 (Brass) | Single | Shielded | 5 mm | Pre-wired | Short | PNP | E2B-M18KS05-WP-B1 2M | E2B-M18KS05-WP-B2 2M |
| | | | | | | NPN | E2B-M18KS05-WP-C1 2M | E2B-M18KS05-WP-C2 2M |
| | | | | | Long | PNP | E2B-M18LS05-WP-B1 2M | E2B-M18LS05-WP-B2 2M |
| | | | | | | NPN | E2B-M18LS05-WP-C1 2M | E2B-M18LS05-WP-C2 2M |
| | | | | M12 Connector | Short | PNP | E2B-M18KS05-M1-B1 | E2B-M18KS05-M1-B2 |
| | | | | | | NPN | E2B-M18KS05-M1-C1 | E2B-M18KS05-M1-C2 |
| | | | | | Long | PNP | E2B-M18LS05-M1-B1 | E2B-M18LS05-M1-B2 |
| | | | | | | NPN | E2B-M18LS05-M1-C1 | E2B-M18LS05-M1-C2 |
| | | Unshielded | 10 mm | Pre-wired | Short | PNP | E2B-M18KN10-WP-B1 2M | E2B-M18KN10-WP-B2 2M |
| | | | | | | NPN | E2B-M18KN10-WP-C1 2M | E2B-M18KN10-WP-C2 2M |
| | | | | | Long | PNP | E2B-M18LN10-WP-B1 2M | E2B-M18LN10-WP-B2 2M |
| | | | | | | NPN | E2B-M18LN10-WP-C1 2M | E2B-M18LN10-WP-C2 2M |
| | | | | M12 Connector | Short | PNP | E2B-M18KN10-M1-B1 | E2B-M18KN10-M1-B2 |
| | | | | | | NPN | E2B-M18KN10-M1-C1 | E2B-M18KN10-M1-C2 |
| | | | | | Long | PNP | E2B-M18LN10-M1-B1 | E2B-M18LN10-M1-B2 |
| | | | | | | NPN | E2B-M18LN10-M1-C1 | E2B-M18LN10-M1-C2 |
| | Double | Shielded (See note 2.) | 8 mm | Pre-wired | Short | PNP | E2B-M18KS08-WP-B1 2M | E2B-M18KS08-WP-B2 2M |
| | | | | | | NPN | E2B-M18KS08-WP-C1 2M | E2B-M18KS08-WP-C2 2M |
| | | | | | Long | PNP | E2B-M18LS08-WP-B1 2M | E2B-M18LS08-WP-B2 2M |
| | | | | | | NPN | E2B-M18LS08-WP-C1 2M | E2B-M18LS08-WP-C2 2M |
| | | | | M12 Connector | Short | PNP | E2B-M18KS08-M1-B1 | E2B-M18KS08-M1-B2 |
| | | | | | | NPN | E2B-M18KS08-M1-C1 | E2B-M18KS08-M1-C2 |
| | | | | | Long | PNP | E2B-M18LS08-M1-B1 | E2B-M18LS08-M1-B2 |
| | | | | | | NPN | E2B-M18LS08-M1-C1 | E2B-M18LS08-M1-C2 |
| | | Unshielded | 16 mm | Pre-wired | Short | PNP | E2B-M18KN16-WP-B1 2M | E2B-M18KN16-WP-B2 2M |
| | | | | | | NPN | E2B-M18KN16-WP-C1 2M | E2B-M18KN16-WP-C2 2M |
| | | | | | Long | PNP | E2B-M18LN16-WP-B1 2M | E2B-M18LN16-WP-B2 2M |
| | | | | | | NPN | E2B-M18LN16-WP-C1 2M | E2B-M18LN16-WP-C2 2M |
| | | | | M12 Connector | Short | PNP | E2B-M18KN16-M1-B1 | E2B-M18KN16-M1-B2 |
| | | | | | | NPN | E2B-M18KN16-M1-C1 | E2B-M18KN16-M1-C2 |
| | | | | | Long | PNP | E2B-M18LN16-M1-B1 | E2B-M18LN16-M1-B2 |
| | | | | | | NPN | E2B-M18LN16-M1-C1 | E2B-M18LN16-M1-C2 |

Note: 1. Pre-wired Models are available in the cable lengths of 2 m and 5 m.
2. There are restrictions that apply to Shielded sensors.
Please refer to “Effects of Surrounding Metal” on page 20.

| Size | | | Sensing distance | Connecting method (See note 1.) | Body length | Output configuration | Operation mode NO | Operation mode NC |
|---|---|---|---|---|---|---|---|---|
| M30 (Brass) | Single | Shielded | 10 mm | Pre-wired | Short | PNP | E2B-M30KS10-WP-B1 2M | E2B-M30KS10-WP-B2 2M |
| | | | | | | NPN | E2B-M30KS10-WP-C1 2M | E2B-M30KS10-WP-C2 2M |
| | | | | | Long | PNP | E2B-M30LS10-WP-B1 2M | E2B-M30LS10-WP-B2 2M |
| | | | | | | NPN | E2B-M30LS10-WP-C1 2M | E2B-M30LS10-WP-C2 2M |
| | | | | M12 Connector | Short | PNP | E2B-M30KS10-M1-B1 | E2B-M30KS10-M1-B2 |
| | | | | | | NPN | E2B-M30KS10-M1-C1 | E2B-M30KS10-M1-C2 |
| | | | | | Long | PNP | E2B-M30LS10-M1-B1 | E2B-M30LS10-M1-B2 |
| | | | | | | NPN | E2B-M30LS10-M1-C1 | E2B-M30LS10-M1-C2 |
| | | Unshielded | 20 mm | Pre-wired | Short | PNP | E2B-M30KN20-WP-B1 2M | E2B-M30KN20-WP-B2 2M |
| | | | | | | NPN | E2B-M30KN20-WP-C1 2M | E2B-M30KN20-WP-C2 2M |
| | | | | | Long | PNP | E2B-M30LN20-WP-B1 2M | E2B-M30LN20-WP-B2 2M |
| | | | | | | NPN | E2B-M30LN20-WP-C1 2M | E2B-M30LN20-WP-C2 2M |
| | | | | M12 Connector | Short | PNP | E2B-M30KN20-M1-B1 | E2B-M30KN20-M1-B2 |
| | | | | | | NPN | E2B-M30KN20-M1-C1 | E2B-M30KN20-M1-C2 |
| | | | | | Long | PNP | E2B-M30LN20-M1-B1 | E2B-M30LN20-M1-B2 |
| | | | | | | NPN | E2B-M30LN20-M1-C1 | E2B-M30LN20-M1-C2 |
| | Double | Shielded (See note 2.) | 15 mm | Pre-wired | Short | PNP | E2B-M30KS15-WP-B1 2M | E2B-M30KS15-WP-B2 2M |
| | | | | | | NPN | E2B-M30KS15-WP-C1 2M | E2B-M30KS15-WP-C2 2M |
| | | | | | Long | PNP | E2B-M30LS15-WP-B1 2M | E2B-M30LS15-WP-B2 2M |
| | | | | | | NPN | E2B-M30LS15-WP-C1 2M | E2B-M30LS15-WP-C2 2M |
| | | | | M12 Connector | Short | PNP | E2B-M30KS15-M1-B1 | E2B-M30KS15-M1-B2 |
| | | | | | | NPN | E2B-M30KS15-M1-C1 | E2B-M30KS15-M1-C2 |
| | | | | | Long | PNP | E2B-M30LS15-M1-B1 | E2B-M30LS15-M1-B2 |
| | | | | | | NPN | E2B-M30LS15-M1-C1 | E2B-M30LS15-M1-C2 |
| | | Unshielded | 30 mm | Pre-wired | Long | PNP | E2B-M30LN30-WP-B1 2M | E2B-M30LN30-WP-B2 2M |
| | | | | | | NPN | E2B-M30LN30-WP-C1 2M | E2B-M30LN30-WP-C2 2M |
| | | | | M12 Connector | Long | PNP | E2B-M30LN30-M1-B1 | E2B-M30LN30-M1-B2 |
| | | | | | | NPN | E2B-M30LN30-M1-C1 | E2B-M30LN30-M1-C2 |

Note: 1. Pre-wired Models are available in the cable lengths of 2 m and 5 m.
2. There are restrictions that apply to Shielded sensors.
Please refer to “Effects of Surrounding Metal” on page 20.

## Accessories (Order Separately)

### Sensor I/O Connectors

| Size | Cable | Shape | Cores | Cable length (m) | Model |
|---|---|---|---|---|---|
| M8 (3-pin) | PVC | Straight | 3 | 2 | **XS3F-M8PVC3S2M** |
| | | | | 5 | **XS3F-M8PVC3S5M** |
| | | Right-angle | | 2 | **XS3F-M8PVC3A2M** |
| | | | | 5 | **XS3F-M8PVC3A5M** |
| | PVC Robot | Straight | | 2 | **XS3F-M321-302-R** |
| | | | | 5 | **XS3F-M321-305-R** |
| | | Right-angle | | 2 | **XS3F-M322-302-R** |
| | | | | 5 | **XS3F-M322-305-R** |
| M12 (4-pin) | PVC | Straight | 4 | 2 | **XS2F-M12PVC4S2M** |
| | | | | 5 | **XS2F-M12PVC4S5M** |
| | | Right-angle | | 2 | **XS2F-M12PVC4A2M** |
| | | | | 5 | **XS2F-M12PVC4A5M** |
| | PVC Robot | Straight | | 2 | **XS2F-D421-D80-F** |
| | | | | 5 | **XS2F-D421-G80-F** |
| | | Right-angle | | 2 | **XS2F-D422-D80-F** |
| | | | | 5 | **XS2F-D422-G80-F** |