

| Size | Sensing distance | Connec-tion          | Body material       | Thread length (overall length) | Output confi-guration | Operation mode NO    | Operation mode NC    | Operation mode NO + NC |
|------|------------------|----------------------|---------------------|--------------------------------|-----------------------|----------------------|----------------------|------------------------|
| M30  | Shielded         | Pre-wired            | Brass <sup>*3</sup> | 44 (64)                        | PNP                   | E2A-M30KS15-WP-B1 2M | E2A-M30KS15-WP-B2 2M | E2A-M30KS15-WP-B3 2M   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30KS15-WP-C1 2M | E2A-M30KS15-WP-C2 2M | E2A-M30KS15-WP-C3 2M   |
|      |                  |                      |                     | 66 (86)                        | PNP                   | E2A-M30LS15-WP-B1 2M | E2A-M30LS15-WP-B2 2M | E2A-M30LS15-WP-B3 2M   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30LS15-WP-C1 2M | E2A-M30LS15-WP-C2 2M | E2A-M30LS15-WP-C3 2M   |
|      |                  | M12 connector        | Brass <sup>*3</sup> | 44 (58)                        | PNP                   | E2A-M30KS15-M1-B1    | E2A-M30KS15-M1-B2    | E2A-M30KS15-M1-B3      |
|      |                  |                      |                     |                                | NPN                   | E2A-M30KS15-M1-C1    | E2A-M30KS15-M1-C2    | E2A-M30KS15-M1-C3      |
|      |                  |                      |                     | 66 (80)                        | PNP                   | E2A-M30LS15-M1-B1    | E2A-M30LS15-M1-B2    | E2A-M30LS15-M1-B3      |
|      |                  |                      |                     |                                | NPN                   | E2A-M30LS15-M1-C1    | E2A-M30LS15-M1-C2    | E2A-M30LS15-M1-C3      |
|      |                  | M8 connector (3-pin) | Brass <sup>*3</sup> | 44 (58)                        | PNP                   | E2A-M30KS15-M5-B1    | E2A-M30KS15-M5-B2    | n.a.                   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30KS15-M5-C1    | E2A-M30KS15-M5-C2    | n.a.                   |
|      |                  |                      |                     | 66 (80)                        | PNP                   | E2A-M30LS15-M5-B1    | E2A-M30LS15-M5-B2    | n.a.                   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30LS15-M5-C1    | E2A-M30LS15-M5-C2    | n.a.                   |
|      | Non-shielded     | Pre-wired            | Brass <sup>*3</sup> | 44 (64)<br>(See note.)         | PNP                   | E2A-M30KN20-WP-B1 2M | E2A-M30KN20-WP-B2 2M | E2A-M30KN20-WP-B3 2M   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30KN20-WP-C1 2M | E2A-M30KN20-WP-C2 2M | E2A-M30KN20-WP-C3 2M   |
|      |                  |                      |                     | 66 (86)                        | PNP                   | E2A-M30LN30-WP-B1 2M | E2A-M30LN30-WP-B2 2M | E2A-M30LN30-WP-B3 2M   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30LN30-WP-C1 2M | E2A-M30LN30-WP-C2 2M | E2A-M30LN30-WP-C3 2M   |
|      |                  | M12 connector        | Brass <sup>*3</sup> | 44 (58)<br>(See note.)         | PNP                   | E2A-M30KN20-M1-B1    | E2A-M30KN20-M1-B2    | E2A-M30KN20-M1-B3      |
|      |                  |                      |                     |                                | NPN                   | E2A-M30KN20-M1-C1    | E2A-M30KN20-M1-C2    | E2A-M30KN20-M1-C3      |
|      |                  |                      |                     | 66 (80)                        | PNP                   | E2A-M30LN30-M1-B1    | E2A-M30LN30-M1-B2    | E2A-M30LN30-M1-B3      |
|      |                  |                      |                     |                                | NPN                   | E2A-M30LN30-M1-C1    | E2A-M30LN30-M1-C2    | E2A-M30LN30-M1-C3      |
|      |                  | M8 connector (3-pin) | Brass <sup>*3</sup> | 44 (58)<br>(See note.)         | PNP                   | E2A-M30KN20-M5-B1    | E2A-M30KN20-M5-B2    | n.a.                   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30KN20-M5-C1    | E2A-M30KN20-M5-C2    | n.a.                   |
|      |                  |                      |                     | 66 (80)                        | PNP                   | E2A-M30LN30-M5-B1    | E2A-M30LN30-M5-B2    | n.a.                   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30LN30-M5-C1    | E2A-M30LN30-M5-C2    | n.a.                   |
|      |                  | M8 connector (4-pin) | Brass <sup>*3</sup> | 44 (58)<br>(See note.)         | PNP                   | E2A-M30KN20-M3-B1    | E2A-M30KN20-M3-B2    | n.a.                   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30KN20-M3-C1    | E2A-M30KN20-M3-C2    | n.a.                   |
|      |                  |                      |                     | 66 (80)                        | PNP                   | E2A-M30LN30-M3-B1    | E2A-M30LN30-M3-B2    | n.a.                   |
|      |                  |                      |                     |                                | NPN                   | E2A-M30LN30-M3-C1    | E2A-M30LN30-M3-C2    | n.a.                   |

\*1. Material specifications for stainless steel housing case: 1.4305 (W.-No.), SUS 303 (AISI), 2346 (SS). Please contact your OMRON representative for other stainless steel materials.

\*2. Please contact your OMRON representative for DC 2-wire models.

\*3. Stainless steel models are also available. Please contact your OMRON representative.

**Note:** M30 non-shielded Models with double sensing distance and short barrels cannot be mounted due to the necessary separation distance from the surrounding metal. Standard sensing models are thus available.

## Connectivity

The E2A sensors are available with the following connectors and cable materials:

### Pre-wired models



Standard cable lengths are 2m and 5m.

For other cable lengths please contact your OMRON representative.

Standard cable material: PVC (dia 4mm)

-WP

Other available cable materials and sizes:

- PVC (dia 6mm)
- PUR/PVC – PUR jacket (dia 4mm)
- PUR/PVC – PUR jacket (dia 6mm)
- PVC robotic cable (dia 4mm)

-WS

-WA

-WB

-WR

### Pre-wired models with cable end connectors



All pre-wired models can be fitted with cable and connectors.

Standard cable end connectors:

- |              |     |
|--------------|-----|
| - M12        | M1J |
| - M8 (4 pin) | M3J |
| - M8 (3 pin) | M5J |

Other cable end connectors are available on request.

### Connector models



Standard connectors: M12, M8 (4 or 3 pin)    -M1, -M3, -M5