

## Cylindrical Proximity Sensor

## E2EL

A new series of easy-to-use models for standard- and double-distance

- Stainless steel and brass housing
- Two housing length for each type
- Pre-wired and Plug-in connector types
- Short-circuit protection and reverse polarity protection



## Ordering Information

### ■ Cable types

#### Brass housing

| Diameter | Length | Mounting     | Sensing Distance | Output           |                  |                  |                  |
|----------|--------|--------------|------------------|------------------|------------------|------------------|------------------|
|          |        |              |                  | NPN / NO         | NPN / NC         | PNP / NO         | PNP / NC         |
| Ø6,5     | 30 mm  | Shielded     | 1,5 mm           | E2EL-C1R5E1 2M   | E2EL-C1R5E2 2M   | E2EL-C1R5F1 2M   | E2EL-C1R5F2 2M   |
|          | 32 mm  | Non-shielded | 2,0 mm           | E2EL-C2ME1 2M    | E2EL-C2ME2 2M    | E2EL-C2MF1 2M    | E2EL-C2MF2 2M    |
|          | 45 mm  | Shielded     | 1,5 mm           | E2EL-C1R5E1-L 2M | E2EL-C1R5E2-L 2M | E2EL-C1R5F1-L 2M | E2EL-C1R5F2-L 2M |
|          | 47 mm  | Non-shielded | 2,0 mm           | E2EL-C2ME1-L 2M  | E2EL-C2ME2-L 2M  | E2EL-C2MF1-L 2M  | E2EL-C2MF2-L 2M  |
| M8       | 30 mm  | Shielded     | 1,5 mm           | E2EL-X1R5E1 2M   | E2EL-X1R5E2 2M   | E2EL-X1R5F1 2M   | E2EL-X1R5F2 2M   |
|          | 32 mm  | Non-shielded | 2,0 mm           | E2EL-X2ME1 2M    | E2EL-X2ME2 2M    | E2EL-X2MF1 2M    | E2EL-X2MF2 2M    |
|          | 45 mm  | Shielded     | 1,5 mm           | E2EL-X1R5E1-L 2M | E2EL-X1R5E2-L 2M | E2EL-X1R5F1-L 2M | E2EL-X1R5F2-L 2M |
|          | 47 mm  | Non-shielded | 2,0 mm           | E2EL-X2ME1-L 2M  | E2EL-X2ME2-L 2M  | E2EL-X2MF1-L 2M  | E2EL-X2MF2-L 2M  |
| M12      | 41 mm  | Shielded     | 2,0 mm           | E2EL-X2E1 2M     | E2EL-X2E2 2M     | E2EL-X2F1 2M     | E2EL-X2F2 2M     |
|          |        | Shielded     | 4,0 mm           | E2EL-X4E1-D 2M   | E2EL-X4E2-D 2M   | E2EL-X4F1-D 2M   | E2EL-X4F2-D 2M   |
|          |        | Non-shielded | 4,0 mm           | E2EL-X4ME1 2M    | E2EL-X4ME2 2M    | E2EL-X4MF1 2M    | E2EL-X4MF2 2M    |
|          | 53 mm  | Shielded     | 2,0 mm           | E2EL-X2E1-L 2M   | E2EL-X2E2-L 2M   | E2EL-X2F1-L 2M   | E2EL-X2F2-L 2M   |
|          |        | Shielded     | 4,0 mm           | E2EL-X4E1-DL 2M  | E2EL-X4E2-DL 2M  | E2EL-X4F1-DL 2M  | E2EL-X4F2-DL 2M  |
|          |        | Non-shielded | 4,0 mm           | E2EL-X4ME1-L 2M  | E2EL-X4ME2-L 2M  | E2EL-X4MF1-L 2M  | E2EL-X4MF2-L 2M  |
| M18      | 40 mm  | Shielded     | 5,0 mm           | E2EL-X5E1 2M     | E2EL-X5E2 2M     | E2EL-X5F1 2M     | E2EL-X5F2 2M     |
|          |        | Shielded     | 8,0 mm           | E2EL-X8E1-D 2M   | E2EL-X8E2-D 2M   | E2EL-X8F1-D 2M   | E2EL-X8F2-D 2M   |
|          |        | Non-shielded | 8,0 mm           | E2EL-X8ME1 2M    | E2EL-X8ME2 2M    | E2EL-X8MF1 2M    | E2EL-X8MF2 2M    |
|          | 73 mm  | Shielded     | 5,0 mm           | E2EL-X5E1-L 2M   | E2EL-X5E2-L 2M   | E2EL-X5F1-L 2M   | E2EL-X5F2-L 2M   |
|          |        | Shielded     | 8,0 mm           | E2EL-X8E1-DL 2M  | E2EL-X8E2-DL 2M  | E2EL-X8F1-DL 2M  | E2EL-X8F2-DL 2M  |
|          |        | Non-shielded | 8,0 mm           | E2EL-X8ME1-L 2M  | E2EL-X8ME2-L 2M  | E2EL-X8MF1-L 2M  | E2EL-X8MF2-L 2M  |
| M30      | 40 mm  | Shielded     | 10,0 mm          | E2EL-X10E1 2M    | E2EL-X10E2 2M    | E2EL-X10F1 2M    | E2EL-X10F2 2M    |
|          |        | Non-shielded | 15,0 mm          | E2EL-X15ME1 2M   | E2EL-X15ME2 2M   | E2EL-X15MF1 2M   | E2EL-X15MF2 2M   |
|          | 80 mm  | Shielded     | 10,0 mm          | E2EL-X10E1-L 2M  | E2EL-X10E2-L 2M  | E2EL-X10F1-L 2M  | E2EL-X10F2-L 2M  |
|          |        | Non-shielded | 15,0 mm          | E2EL-X15ME1-L 2M | E2EL-X15ME2-L 2M | E2EL-X15MF1-L 2M | E2EL-X15MF2-L 2M |

## Stainless steel housing

| Diameter | Length | Mounting | Sensing Distance | Output           |                  |                  |                  |
|----------|--------|----------|------------------|------------------|------------------|------------------|------------------|
|          |        |          |                  | NPN / NO         | NPN / NC         | PNP / NO         | PNP / NC         |
| Ø6,5     | 30 mm  | Shielded | 2,0 mm           | E2EL-C2E1-DS 2M  | E2EL-C2E2-DS 2M  | E2EL-C2F1-DS 2M  | E2EL-C2F2-DS 2M  |
|          | 45 mm  | Shielded | 2,0 mm           | E2EL-C2E1-DSL 2M | E2EL-C2E2-DSL 2M | E2EL-C2F1-DSL 2M | E2EL-C2F2-DSL 2M |
| M8       | 30 mm  | Shielded | 2,0 mm           | E2EL-X2E1-DS 2M  | E2EL-X2E2-DS 2M  | E2EL-X2F1-DS 2M  | E2EL-X2F2-DS 2M  |
|          | 45 mm  | Shielded | 2,0 mm           | E2EL-X2E1-DSL 2M | E2EL-X2E2-DSL 2M | E2EL-X2F1-DSL 2M | E2EL-X2F2-DSL 2M |
| M12      | 41 mm  | Shielded | 4,0 mm           | E2EL-X4E1-DS 2M  | E2EL-X4E2-DS 2M  | E2EL-X4F1-DS 2M  | E2EL-X4F2-DS 2M  |
|          | 53 mm  | Shielded | 4,0 mm           | E2EL-X4E1-DSL 2M | E2EL-X4E2-DSL 2M | E2EL-X4F1-DSL 2M | E2EL-X4F2-DSL 2M |
| M18      | 40 mm  | Shielded | 8,0 mm           | E2EL-X8E1-DS 2M  | E2EL-X8E2-DS 2M  | E2EL-X8F1-DS 2M  | E2EL-X8F2-DS 2M  |
|          | 73 mm  | Shielded | 8,0 mm           | E2EL-X8E1-DSL 2M | E2EL-X8E2-DSL 2M | E2EL-X8F1-DSL 2M | E2EL-X8F2-DSL 2M |

## ■ Plug types

## Brass housing

| Diameter / Connection | Length | Mounting     | Sensing Distance | Output          |                 |                 |                 |
|-----------------------|--------|--------------|------------------|-----------------|-----------------|-----------------|-----------------|
|                       |        |              |                  | NPN / NO        | NPN / NC        | PNP / NO        | PNP / NC        |
| Ø6,5 / Plug M8        | 45 mm  | Shielded     | 1,5 mm           | E2EL-C1R5E1-M3  | E2EL-C1R5E2-M3  | E2EL-C1R5F1-M3  | E2EL-C1R5F2-M3  |
|                       | 47 mm  | Non-shielded | 2,0 mm           | E2EL-C2ME1-M3   | E2EL-C2ME2-M3   | E2EL-C2MF1-M3   | E2EL-C2MF2-M3   |
|                       | 54 mm  | Shielded     | 1,5 mm           | E2EL-C1R5E1-M3L | E2EL-C1R5E2-M3L | E2EL-C1R5F1-M3L | E2EL-C1R5F2-M3L |
|                       | 56 mm  | Non-shielded | 2,0 mm           | E2EL-C2ME1-M3L  | E2EL-C2ME2-M3L  | E2EL-C2MF1-M3L  | E2EL-C2MF2-M3L  |
| M8 / Plug M8          | 45 mm  | Shielded     | 1,5 mm           | E2EL-X1R5E1-M3  | E2EL-X1R5E2-M3  | E2EL-X1R5F1-M3  | E2EL-X1R5F2-M3  |
|                       | 47 mm  | Non-shielded | 2,0 mm           | E2EL-X2ME1-M3   | E2EL-X2ME2-M3   | E2EL-X2MF1-M3   | E2EL-X2MF2-M3   |
|                       | 54 mm  | Shielded     | 1,5 mm           | E2EL-X1R5E1-M3L | E2EL-X1R5E2-M3L | E2EL-X1R5F1-M3L | E2EL-X1R5F2-M3L |
|                       | 56 mm  | Non-shielded | 2,0 mm           | E2EL-X2ME1-M3L  | E2EL-X2ME2-M3L  | E2EL-X2MF1-M3L  | E2EL-X2MF2-M3L  |
| M8 / Plug M12         | 44 mm  | Shielded     | 1,5 mm           | E2EL-X1R5E1-M1  | E2EL-X1R5E2-M1  | E2EL-X1R5F1-M1  | E2EL-X1R5F2-M1  |
|                       | 46 mm  | Non-shielded | 2,0 mm           | E2EL-X2ME1-M1   | E2EL-X2ME2-M1   | E2EL-X2MF1-M1   | E2EL-X2MF2-M1   |
|                       | 60 mm  | Shielded     | 1,5 mm           | E2EL-X1R5E1-M1L | E2EL-X1R5E2-M1L | E2EL-X1R5F1-M1L | E2EL-X1R5F2-M1L |
|                       | 62 mm  | Non-shielded | 2,0 mm           | E2EL-X2ME1-M1L  | E2EL-X2ME2-M1L  | E2EL-X2MF1-M1L  | E2EL-X2MF2-M1L  |
| M12 / Plug M12        | 49 mm  | Shielded     | 2,0 mm           | E2EL-X2E1-M1    | E2EL-X2E2-M1    | E2EL-X2F1-M1    | E2EL-X2F2-M1    |
|                       |        | Shielded     | 4,0 mm           | E2EL-X4E1-DM1   | E2EL-X4E2-DM1   | E2EL-X4F1-DM1   | E2EL-X4F2-DM1   |
|                       |        | Non-shielded | 4,0 mm           | E2EL-X4ME1-M1   | E2EL-X4ME2-M1   | E2EL-X4MF1-M1   | E2EL-X4MF2-M1   |
|                       | 60 mm  | Shielded     | 2,0 mm           | E2EL-X2E1-M1L   | E2EL-X2E2-M1L   | E2EL-X2F1-M1L   | E2EL-X2F2-M1L   |
|                       |        | Shielded     | 4,0 mm           | E2EL-X4E1-DM1L  | E2EL-X4E2-DM1L  | E2EL-X4F1-DM1L  | E2EL-X4F2-DM1L  |
|                       |        | Non-shielded | 4,0 mm           | E2EL-X4ME1-M1L  | E2EL-X4ME2-M1L  | E2EL-X4MF1-M1L  | E2EL-X4MF2-M1L  |
| M18 / Plug M12        | 53 mm  | Shielded     | 5,0 mm           | E2EL-X5E1-M1    | E2EL-X5E2-M1    | E2EL-X5F1-M1    | E2EL-X5F2-M1    |
|                       |        | Shielded     | 8,0 mm           | E2EL-X8E1-DM1   | E2EL-X8E2-DM1   | E2EL-X8F1-DM1   | E2EL-X8F2-DM1   |
|                       |        | Non-shielded | 8,0 mm           | E2EL-X8ME1-M1   | E2EL-X8ME2-M1   | E2EL-X8MF1-M1   | E2EL-X8MF2-M1   |
|                       | 80 mm  | Shielded     | 5,0 mm           | E2EL-X5E1-M1L   | E2EL-X5E2-M1L   | E2EL-X5F1-M1L   | E2EL-X5F2-M1L   |
|                       |        | Shielded     | 8,0 mm           | E2EL-X8E1-DM1L  | E2EL-X8E2-DM1L  | E2EL-X8F1-DM1L  | E2EL-X8F2-DM1L  |
|                       |        | Non-shielded | 8,0 mm           | E2EL-X8ME1-M1L  | E2EL-X8ME2-M1L  | E2EL-X8MF1-M1L  | E2EL-X8MF2-M1L  |
| M30 / Plug M12        | 55 mm  | Shielded     | 10,0 mm          | E2EL-X10E1-M1   | E2EL-X10E2-M1   | E2EL-X10F1-M1   | E2EL-X10F2-M1   |
|                       |        | Non-shielded | 15,0 mm          | E2EL-X15ME1-M1  | E2EL-X15ME2-M1  | E2EL-X15MF1-M1  | E2EL-X15MF2-M1  |
|                       | 80 mm  | Shielded     | 10,0 mm          | E2EL-X10E1-M1L  | E2EL-X10E2-M1L  | E2EL-X10F1-M1L  | E2EL-X10F2-M1L  |
|                       |        | Non-shielded | 15,0 mm          | E2EL-X15ME1-M1L | E2EL-X15ME2-M1L | E2EL-X15MF1-M1L | E2EL-X15MF2-M1L |

## Stainless steel housing

| Diameter / Connection | Length | Mounting | Sensing Distance | Output          |                 |                 |                 |
|-----------------------|--------|----------|------------------|-----------------|-----------------|-----------------|-----------------|
|                       |        |          |                  | NPN / NO        | NPN / NC        | PNP / NO        | PNP / NC        |
| M8 / Plug M8          | 54 mm  | Shielded | 2,0 mm           | E2EL-X2E1-DM3SL | E2EL-X2E2-DM3SL | E2EL-X2F1-DM3SL | E2EL-X2F2-DM3SL |
| M12 / Plug M12        | 49 mm  | Shielded | 4,0 mm           | E2EL-X4E1-DM1S  | E2EL-X4E2-DM1S  | E2EL-X4F1-DM1S  | E2EL-X4F2-DM1S  |
|                       | 60 mm  | Shielded | 4,0 mm           | E2EL-X4E1-DM1SL | E2EL-X4E2-DM1SL | E2EL-X4F1-DM1SL | E2EL-X4F2-DM1SL |
| M18 / Plug M12        | 53 mm  | Shielded | 8,0 mm           | E2EL-X8E1-DM1S  | E2EL-X8E2-DM1S  | E2EL-X8F1-DM1S  | E2EL-X8F2-DM1S  |
|                       | 80 mm  | Shielded | 8,0 mm           | E2EL-X8E1-DM1SL | E2EL-X8E2-DM1SL | E2EL-X8F1-DM1SL | E2EL-X8F2-DM1SL |