

# Cable Connectors

| Product group                  |                                                                                                                                                                   | Cable Connectors                                                                  |                                                                                                                                                    |                                                                                                              |                                                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
|                                |                                                                                                                                                                   |  |                                                                   |                            |                                                                |
| Type                           | General purpose (screw)                                                                                                                                           |                                                                                   | General purpose (snap)                                                                                                                             | General purpose - extended wiring                                                                            | small size (screw or snap)                                                                                                                        |
| Order reference                | Y92E-M08                                                                                                                                                          | Y92E-M12                                                                          | Y92E-MS08                                                                                                                                          | XS2F-□-A                                                                                                     | XS3F-□-A                                                                                                                                          |
| Applicable/Recommended Sensors | Inductive: E2A-□-M5, E2A-□-M3, E2E small diameter, E2EL, E2C-EDA<br>photoelectric: E3Z, E3G-L1/L3, E3C, E3X<br>All sensors with M8-junction connectors -M3J, -M5J |                                                                                   | Photoelectric: E3F2, E3G-(M)R, E3G-(M)L7, E3S-C, E3MV, E3NT<br>Inductive: E2□-□-M1, E2E, E2E□, E2F<br>All sensors with M12 junction connector -M1J | Inductive: E2A-□-M5, E2A-□-M3, E2E small diameter, E2EL, E2C-EDA<br>AC 2-wire types: E2E-□Y, E2F-□Y, E3F2-□Z | Inductive: E2A-□-M3, E2E small diameter, E2EL, E2C-EDA<br>Photoelectric: E3Z, E3G-L1/L3, E3C, E3X<br>All sensors with M8-junction connectors -M3J |
| Features                       | - 3 or 4 pin<br>- LED optionally                                                                                                                                  |                                                                                   | 3 or 4 pin                                                                                                                                         | 2, 3, 4 or 5 wire                                                                                            | 4 pin                                                                                                                                             |
| Size                           | M8                                                                                                                                                                |                                                                                   | M8                                                                                                                                                 | M12                                                                                                          | M8                                                                                                                                                |
| Material                       | Nut                                                                                                                                                               | Brass (CuZn) or zinc diecast (ZnAl Cu)                                            |                                                                                                                                                    | PUR                                                                                                          | brass                                                                                                                                             |
|                                | Cable                                                                                                                                                             | PVC or PUR                                                                        |                                                                                                                                                    | PVC or PUR                                                                                                   | PVC                                                                                                                                               |

| Product group                  |                                   | Cable Connectors                                                                    |                                                                                     |                 |                                                                                       |
|--------------------------------|-----------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------|---------------------------------------------------------------------------------------|
|                                |                                   |  |  |                 |  |
| Type                           | Robot cable (vibration resistant) |                                                                                     | Detergent resistant <sup>1</sup>                                                    |                 | M12 fire retardant                                                                    |
| Order reference                | XS3F-□-R                          | XS2F-□-R                                                                            | Y92E-S08                                                                            | Y92E-S12        | XS2F-□-F                                                                              |
| Applicable/Recommended Sensors | See Y92E-M08                      | See Y92E-M12                                                                        | See Y92E-M08                                                                        | See Y92E-M12    | See Y92E-M12                                                                          |
| Features                       | 4 pin                             | 3, 4 or 5 wire                                                                      | 3 or 4 pin                                                                          | 3, 4 or 5 wire  | 3, 4 or 5 wire                                                                        |
| Size                           | M8                                | M12                                                                                 | M8                                                                                  | M12             | M12                                                                                   |
| Material                       | Nut                               | brass                                                                               |                                                                                     | stainless steel | brass                                                                                 |
|                                | Cable                             | PVC                                                                                 |                                                                                     |                 | PVC                                                                                   |

<sup>1</sup> Please contact your OMRON representative for these models

# General Purpose Cable Connectors (M8 / M12)

# Y92E

## Model Number Legend

Y92E -     -     -

1 2 3 4 5 6 7 8 9

### 1. Connector type

- M: standard female screw on connector
- S: stainless steel female screw on connector
- MM: male metric screw plug
- MS: female snap connector

### 2. Size

- 08: M8 size
- 12: M12 size

### 3. Material

- PVC: PVC cable
- PUR: PUR cable

### 4. Nr of poles

- 3: 3 poles
- 4: 4 poles
- 5: 5 poles

### 5. Shape

- A: angled
- S: straight

### 6. Length

- 2M: standard 2 m length
- 5M: standard 5 m length
- 10M: standard 10 m length

### 7. LED

- LED: with LED
- [blank]: no LED

### 8. Specials

### 9. Supply code

- L, -H (represent supply codes).

## Ordering information

### General purpose models

| Product description <sup>1</sup> | Connector | Size | Cable material | Poles | Type     | Length (m) | LED | Nut                                            |
|----------------------------------|-----------|------|----------------|-------|----------|------------|-----|------------------------------------------------|
| Y92E-M08PUR3A2M-x                | female    | M8   | PUR            | 3     | Angled   | 2          | no  | -H: Zinc diecast (ZnAl Cu)<br>-L: brass (CuZn) |
| Y92E-M08PUR3A5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PUR3A10M-x               |           |      |                |       |          | 10         |     |                                                |
| Y92E-M08PUR3S2M-x                |           |      |                |       | Straight | 2          |     |                                                |
| Y92E-M08PUR3S5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PUR3S10M-x               |           |      |                |       |          | 10         |     |                                                |
| Y92E-M08PUR4A2M-x                |           |      |                | 4     | Angled   | 2          |     |                                                |
| Y92E-M08PUR4A5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PUR4A10M-x               |           |      |                |       |          | 10         |     |                                                |
| Y92E-M08PUR4S2M-x                |           |      |                |       | Straight | 2          |     |                                                |
| Y92E-M08PUR4S5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PUR4S10M-x               |           |      |                |       |          | 10         |     |                                                |
| Y92E-M08PVC3A2M-x                |           |      | PVC            | 3     | Angled   | 2          |     |                                                |
| Y92E-M08PVC3A5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PVC3A10M-x               |           |      |                |       |          | 10         |     |                                                |
| Y92E-M08PVC3S2M-x                |           |      |                |       | Straight | 2          |     |                                                |
| Y92E-M08PVC3S5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PVC3S10M-x               |           |      |                |       |          | 10         |     |                                                |
| Y92E-M08PVC4A2M-x                |           |      |                | 4     | Angled   | 2          |     |                                                |
| Y92E-M08PVC4A5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PVC4A10M-x               |           |      |                |       |          | 10         |     |                                                |
| Y92E-M08PVC4S2M-x                |           |      |                |       | Straight | 2          |     |                                                |
| Y92E-M08PVC4S5M-x                |           |      |                |       |          | 5          |     |                                                |
| Y92E-M08PVC4S10M-x               |           |      |                |       |          | 10         |     |                                                |

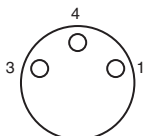
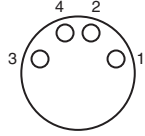
| Product description <sup>1</sup> | Connector     | Size     | Cable material | Poles | Type     | Length (m) | LED      | Nut                                            |   |     |  |  |
|----------------------------------|---------------|----------|----------------|-------|----------|------------|----------|------------------------------------------------|---|-----|--|--|
| Y92E-M12PUR3A2M-x                | female        | M12      | PUR            | 3     | Angled   | 2          | no       | -H: Zinc diecast (ZnAl Cu)<br>-L: brass (CuZn) |   |     |  |  |
| Y92E-M12PUR3A5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PUR3A10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PUR3S2M-x                |               |          |                |       | Straight | 2          |          |                                                |   |     |  |  |
| Y92E-M12PUR3S5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PUR3S10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PUR4A2M-x                |               |          |                | 4     | Angled   | 2          |          |                                                |   |     |  |  |
| Y92E-M12PUR4A5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PUR4A10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PUR4S2M-x                |               |          |                |       | Straight | 2          |          |                                                |   |     |  |  |
| Y92E-M12PUR4S5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PUR4S10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PUR5A2M-x                |               |          |                | 5     | Angled   | 2          |          |                                                |   |     |  |  |
| Y92E-M12PUR5A5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PUR5S2M-x                |               |          |                |       | Straight | 2          |          |                                                |   |     |  |  |
| Y92E-M12PUR5S5M-x                |               |          | 5              |       |          |            |          |                                                |   |     |  |  |
| Y92E-M12PVC3A2M-x                |               |          | PVC            | 3     | Angled   | 2          |          |                                                |   |     |  |  |
| Y92E-M12PVC3A5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PVC3A10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PVC3S2M-x                |               |          |                |       | Straight | 2          |          |                                                |   |     |  |  |
| Y92E-M12PVC3S5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PVC3S10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PVC4A2M-x                |               |          |                | 4     | Angled   | 2          |          |                                                |   |     |  |  |
| Y92E-M12PVC4A5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PVC4A10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PVC4S2M-x                |               |          |                |       | Straight | 2          |          |                                                |   |     |  |  |
| Y92E-M12PVC4S5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PVC4S10M-x               |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PVC5A2M-x                |               |          |                | 5     | Angled   | 2          |          |                                                |   |     |  |  |
| Y92E-M12PVC5A5M-x                |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PVC5A10M-x               |               | 10       |                |       |          |            |          |                                                |   |     |  |  |
| Y92E-M12PVC5S2M-x                |               | Straight |                |       | 2        |            |          |                                                |   |     |  |  |
| Y92E-M12PVC5S5M-x                |               |          |                |       | 5        |            |          |                                                |   |     |  |  |
| Y92E-M12PVC5S10M-x               |               |          |                |       | 10       |            |          |                                                |   |     |  |  |
| Y92E-M08PUR3A2MLED-x             | female (snap) | M8       | PUR            | 3     | Angled   | 2          | yes      | Snap (PUR)                                     |   |     |  |  |
| Y92E-M08PUR3A5MLED-x             |               |          | PUR            |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M08PVC3A2MLED-x             |               | PVC      | 2              |       |          |            |          |                                                |   |     |  |  |
| Y92E-M08PVC3A5MLED-x             |               |          | 5              |       |          |            |          |                                                |   |     |  |  |
| Y92E-M12PUR3A2MLED-x             |               | M12      | PUR            |       |          | 2          |          |                                                |   |     |  |  |
| Y92E-M12PUR3A5MLED-x             |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PUR3A10MLED-x            |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-M12PVC3A2MLED-x             |               |          | PVC            |       |          | 2          |          |                                                |   |     |  |  |
| Y92E-M12PVC3A5MLED-x             |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-M12PVC3A10MLED-x            |               |          |                |       |          | 10         |          |                                                |   |     |  |  |
| Y92E-MS08PVC3A2M-x               |               | M8       |                |       |          | 2          |          |                                                |   |     |  |  |
| Y92E-MS08PVC3A5M-x               |               |          |                |       |          | 5          |          |                                                |   |     |  |  |
| Y92E-MS08PVC3S5M-x               |               | M8       |                |       |          | Straight   | 5        |                                                |   |     |  |  |
| Y92E-MS08PVC4S5M-x               |               |          |                |       |          | 4          | Straight |                                                | 5 |     |  |  |
| Y92E-MS08PVC3A5MLED-x            |               | M8       |                |       |          | 3          | Angled   |                                                | 5 | yes |  |  |

<sup>1</sup> -L' or '-H' are added to the product description

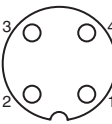
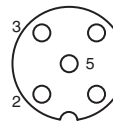
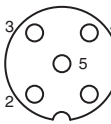
Specifications

|                      |                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------|
| Rated current        | 4 A                                                                                                                  |
| Rated voltage        | M8 3 pin: 60 V<br>M8 4 pin: 60 V (-H), 30 V (-L)<br>M12 3- or 4-wire: 240 V<br>M12 5-wire: 60 V<br>with LED: 10-30 V |
| Degree of protection | IP67                                                                                                                 |
| Ambient temperature  | -25 to +70 °C M12 (PVC cable)<br>-25 to +80 °C M8 and M12 (PUR cable)                                                |
| Specials             | -H: Silicone-free<br>PUR cable: Halogene-free                                                                        |

M8 pin assignment

| 3 poles                                                                           |                                    | 4 poles                                                                           |                                                 |
|-----------------------------------------------------------------------------------|------------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------|
|  | 1 = brown<br>3 = blue<br>4 = black |  | 1 = brown<br>2 = white<br>3 = blue<br>4 = black |

M12 pin assignment

| 3 poles                                                                            |                                                | 4 poles                                                                            |                                                             | 5 poles                                                                              |                                                                       |
|------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------------------|
|  | 1 = brown<br>2 = n.c.<br>3 = blue<br>4 = black |  | 1 = brown<br>2 = white<br>3 = blue<br>4 = black<br>5 = n.c. |  | 1 = brown<br>2 = white<br>3 = blue<br>4 = black<br>5 = green / yellow |