

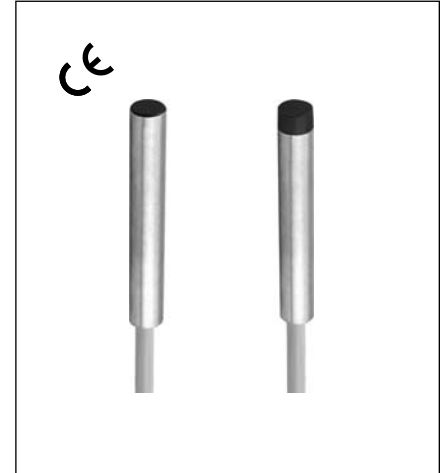
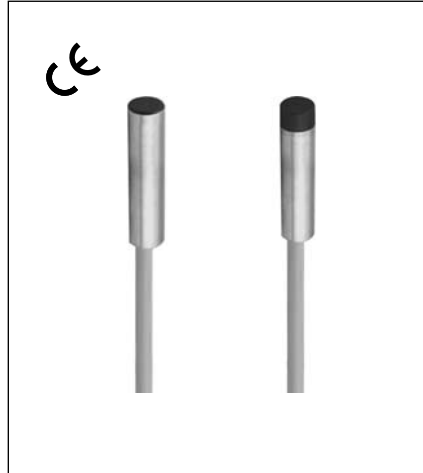
# LONG RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

|                              |
|------------------------------|
| Diameter                     |
| ● Shielded    ○ non-Shielded |
| Switching Distance, Sn: mm   |
| Housing Material             |
| ● With LED    ○ Without LED  |

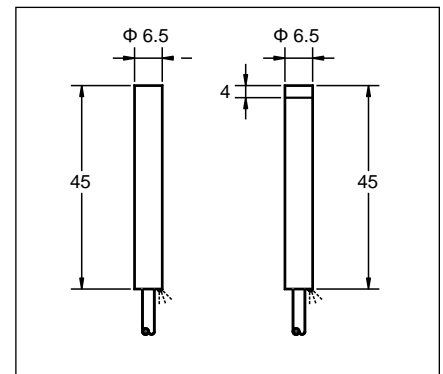
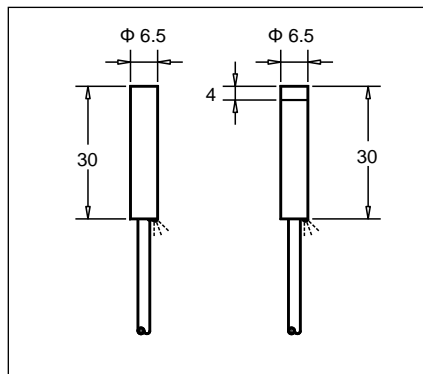
|                 |      |
|-----------------|------|
| Φ 6.5           |      |
| ●               | ○    |
| 3 mm            | 6 mm |
| Stainless steel |      |
| ●               |      |

|                 |      |
|-----------------|------|
| Φ 6.5           |      |
| ●               | ○    |
| 3 mm            | 6 mm |
| Stainless steel |      |
| ●               |      |

|         |
|---------|
| Picture |
|---------|



|                       |
|-----------------------|
| Dimensions (unit: mm) |
|-----------------------|



|                          |
|--------------------------|
| Ripple                   |
| No Load Current          |
| Max. Load current        |
| Leakage Current          |
| Voltage Drop             |
| Switching Frequency      |
| Response Time            |
| Switching Hysteresis     |
| Repeat Accuracy          |
| Protection Category      |
| Operating Temperature    |
| Temperature Drift        |
| Short Circuit Protection |
| Overload Trip Point      |
| Material Active Face     |

|                            |
|----------------------------|
| <10%                       |
| <10mA                      |
| 200mA                      |
| <0.01mA                    |
| <2.0V                      |
| 1KHz    500Hz              |
| 0.2ms/0.2ms    0.5ms/0.5ms |
| <15%(Sr)                   |
| <1.0%(Sr)                  |
| IP67                       |
| -25°C - +70°C              |
| <10%(Sr)                   |
| Yes                        |
| 220mA                      |
| POM                        |

|                            |
|----------------------------|
| <10%                       |
| <10mA                      |
| 200mA                      |
| <0.01mA                    |
| <2.0V                      |
| 1KHz    500Hz              |
| 0.2ms/0.2ms    0.5ms/0.5ms |
| <15%(Sr)                   |
| <1.0%(Sr)                  |
| IP67                       |
| -25°C - +70°C              |
| <10%(Sr)                   |
| Yes                        |
| 220mA                      |
| POM                        |

|                 |
|-----------------|
| Connecting type |
| Weight          |

|                         |
|-------------------------|
| 2M Cable (2.9 Φ 3x0.15) |
| approx.36 g             |

|                         |
|-------------------------|
| 2M Cable (2.9 Φ 3x0.15) |
| approx.40 g             |

|                           |
|---------------------------|
| DC 3 wire 10-30V NPN N.O. |
| DC 3 wire 10-30V NPN N.C. |
| DC 3 wire 10-30V PNP N.O. |
| DC 3 wire 10-30V PNP N.C. |
| DC 3 wire 10-55V NPN N.O. |
| DC 3 wire 10-55V NPN N.C. |
| DC 3 wire 10-55V PNP N.O. |
| DC 3 wire 10-55V PNP N.C. |
| DC 3 wire 5-36 V NPN N.O. |
| DC 3 wire 5-36 V NPN N.C. |
| DC 3 wire 5-36 V PNP N.O. |
| DC 3 wire 5-36 V PNP N.C. |

|                   |    |                   |
|-------------------|----|-------------------|
| ISS-S6.503N-A1VS2 | 1* | ISN-S6.506N-A1VS2 |
| ISS-S6.503N-B1VS2 | 2  | ISN-S6.506N-B1VS2 |
| ISS-S6.503P-A1VS2 | 3  | ISN-S6.506P-A1VS2 |
| ISS-S6.503P-B1VS2 | 4  | ISN-S6.506P-B1VS2 |
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|-------------------|----|-------------------|
| ISS-S6.503N-A1VN2 | 1* | ISN-S6.506N-A1VN2 |
| ISS-S6.503N-B1VN2 | 2  | ISN-S6.506N-B1VN2 |
| ISS-S6.503P-A1VN2 | 3  | ISN-S6.506P-A1VN2 |
| ISS-S6.503P-B1VN2 | 4  | ISN-S6.506P-B1VN2 |
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\* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

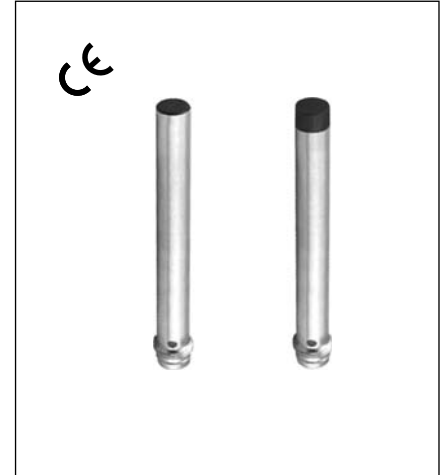
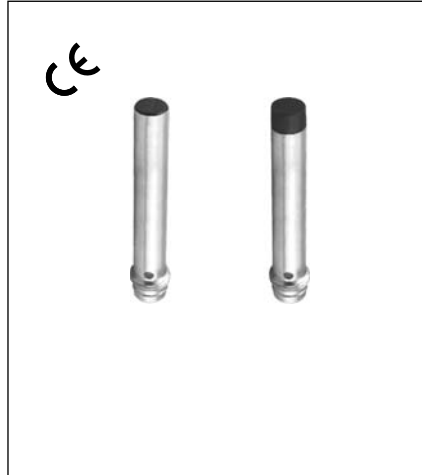
# LONG RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

|                              |
|------------------------------|
| Diameter                     |
| ● Shielded    ○ non-Shielded |
| Switching Distance, Sn: mm   |
| Housing Material             |
| ● With LED    ○ Without LED  |

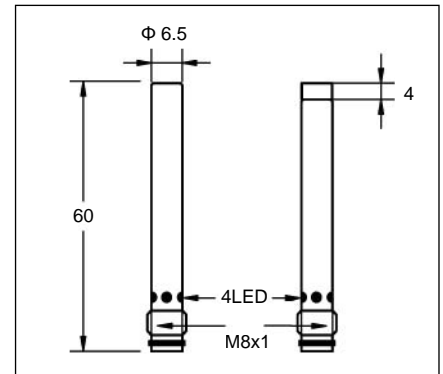
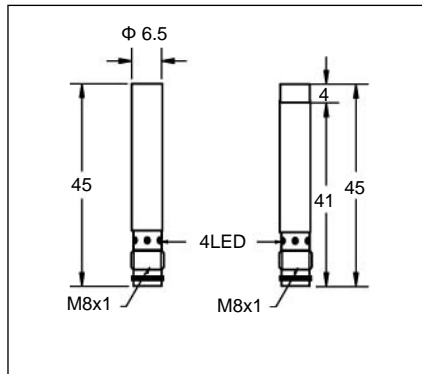
|                 |      |
|-----------------|------|
| φ 6.5           |      |
| ●               | ○    |
| 3 mm            | 6 mm |
| Stainless steel |      |
| ●               |      |

|                 |      |
|-----------------|------|
| φ 6.5           |      |
| ●               | ○    |
| 3 mm            | 6 mm |
| Stainless steel |      |
| ●               |      |

|         |
|---------|
| Picture |
|---------|



|                       |
|-----------------------|
| Dimensions (unit: mm) |
|-----------------------|



|                          |
|--------------------------|
| Ripple                   |
| No Load Current          |
| Max. Load current        |
| Leakage Current          |
| Voltage Drop             |
| Switching Frequency      |
| Response Time            |
| Switching Hysteresis     |
| Repeat Accuracy          |
| Protection Category      |
| Operating Temperature    |
| Temperature Drift        |
| Short Circuit Protection |
| Overload Trip Point      |
| Material Active Face     |

|                            |
|----------------------------|
| <10%                       |
| <10mA                      |
| 200mA                      |
| <0.01mA                    |
| <2.0V                      |
| 1KHz    500Hz              |
| 0.2ms/0.2ms    0.5ms/0.5ms |
| <15%(Sr)                   |
| <1.0%(Sr)                  |
| IP67                       |
| -25°C - +70°C              |
| <10%(Sr)                   |
| Yes                        |
| 220mA                      |
| POM                        |

|                            |
|----------------------------|
| <10%                       |
| <10mA                      |
| 200mA                      |
| <0.01mA                    |
| <2.0V                      |
| 1KHz    500Hz              |
| 0.2ms/0.2ms    0.5ms/0.5ms |
| <15%(Sr)                   |
| <1.0%(Sr)                  |
| IP67                       |
| -25°C - +70°C              |
| <10%(Sr)                   |
| Yes                        |
| 220mA                      |
| POM                        |

|                 |
|-----------------|
| Connecting type |
| Weight          |

|              |
|--------------|
| M8 connector |
| approx. 14 g |

|              |
|--------------|
| M8 connector |
| approx. 18 g |

|                           |
|---------------------------|
| DC 3 wire 10-30V NPN N.O. |
| DC 3 wire 10-30V NPN N.C. |
| DC 3 wire 10-30V PNP N.O. |
| DC 3 wire 10-30V PNP N.C. |
| DC 3 wire 10-55V NPN N.O. |
| DC 3 wire 10-55V NPN N.C. |
| DC 3 wire 10-55V PNP N.O. |
| DC 3 wire 10-55V PNP N.C. |
| DC 3 wire 5-36 V NPN N.O. |
| DC 3 wire 5-36 V NPN N.C. |
| DC 3 wire 5-36 V PNP N.O. |
| DC 3 wire 5-36 V PNP N.C. |

|                   |    |                   |
|-------------------|----|-------------------|
| ISS-S6.503N-A1PS3 | 1* | ISN-S6.506N-A1PS3 |
| ISS-S6.503N-B1PS3 | 2  | ISN-S6.506N-B1PS3 |
| ISS-S6.503P-A1PS3 | 3  | ISN-S6.506P-A1PS3 |
| ISS-S6.503P-B1PS3 | 4  | ISN-S6.506P-B1PS3 |
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|-------------------|----|-------------------|
| ISS-S6.503N-A1PN3 | 1* | ISN-S6.506N-A1PN3 |
| ISS-S6.503N-B1PN3 | 2  | ISN-S6.506N-B1PN3 |
| ISS-S6.503P-A1PN3 | 3  | ISN-S6.506P-A1PN3 |
| ISS-S6.503P-B1PN3 | 4  | ISN-S6.506P-B1PN3 |
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\* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

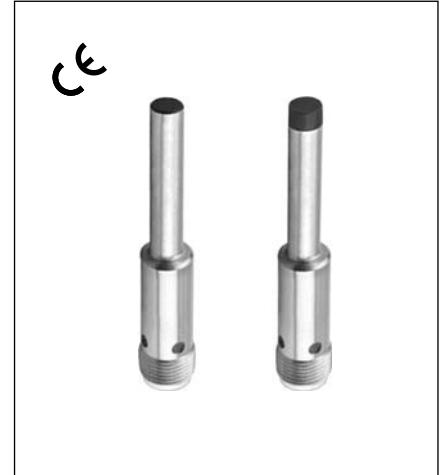
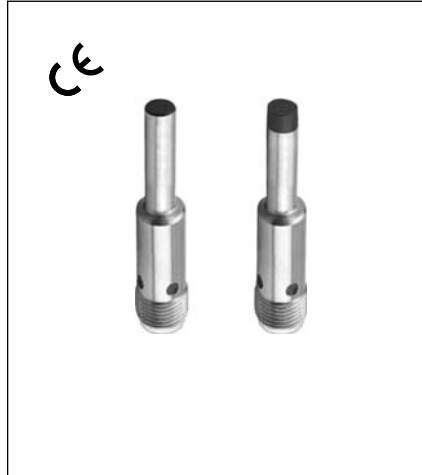
# LONG RANGE INDUCTIVE PROXIMITY SENSOR (10-30VDC/10-55VDC/5-36VDC)

|                              |
|------------------------------|
| Diameter                     |
| ● Shielded    ○ non-Shielded |
| Switching Distance, Sn: mm   |
| Housing Material             |
| ● With LED    ○ Without LED  |

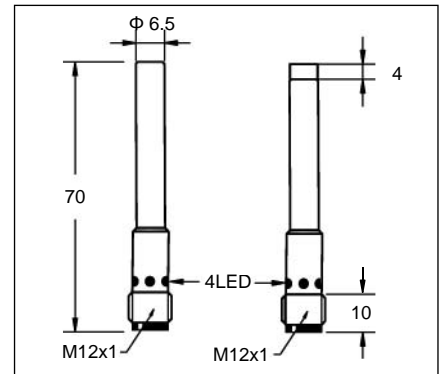
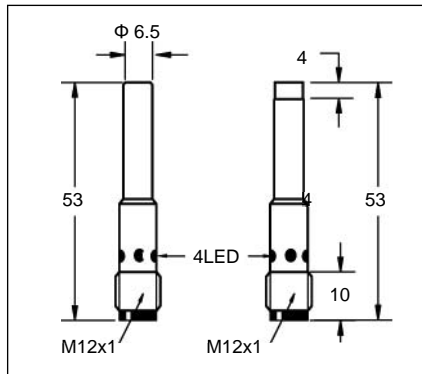
|                 |      |
|-----------------|------|
| Φ 6.5           |      |
| ●               | ○    |
| 3 mm            | 6 mm |
| Stainless steel |      |
| ●               |      |

|                 |      |
|-----------------|------|
| Φ 6.5           |      |
| ●               | ○    |
| 3 mm            | 6 mm |
| Stainless steel |      |
| ●               |      |

|         |
|---------|
| Picture |
|---------|



|                       |
|-----------------------|
| Dimensions (unit: mm) |
|-----------------------|



|                          |
|--------------------------|
| Ripple                   |
| No Load Current          |
| Max. Load current        |
| Leakage Current          |
| Voltage Drop             |
| Switching Frequency      |
| Response Time            |
| Switching Hysteresis     |
| Repeat Accuracy          |
| Protection Category      |
| Operating Temperature    |
| Temperature Drift        |
| Short Circuit Protection |
| Overload Trip Point      |
| Material Active Face     |

|                            |
|----------------------------|
| <10%                       |
| <10mA                      |
| 200mA                      |
| <0.01mA                    |
| <2.0V                      |
| 1KHz    500Hz              |
| 0.2ms/0.2ms    0.5ms/0.5ms |
| <15%(Sr)                   |
| <1.0%(Sr)                  |
| IP67                       |
| -25°C - +70°C              |
| <10%(Sr)                   |
| Yes                        |
| 220mA                      |
| POM                        |

|                            |
|----------------------------|
| <10%                       |
| <10mA                      |
| 200mA                      |
| <0.01mA                    |
| <2.0V                      |
| 1KHz    500Hz              |
| 0.2ms/0.2ms    0.5ms/0.5ms |
| <15%(Sr)                   |
| <1.0%(Sr)                  |
| IP67                       |
| -25°C - +70°C              |
| <10%(Sr)                   |
| Yes                        |
| 220mA                      |
| POM                        |

|                 |
|-----------------|
| Connecting type |
| Weight          |

|               |
|---------------|
| M12 connector |
| approx.20 g   |

|               |
|---------------|
| M12 connector |
| approx.25 g   |

|                           |
|---------------------------|
| DC 3 wire 10-30V NPN N.O. |
| DC 3 wire 10-30V NPN N.C. |
| DC 3 wire 10-30V PNP N.O. |
| DC 3 wire 10-30V PNP N.C. |
| DC 3 wire 10-55V NPN N.O. |
| DC 3 wire 10-55V NPN N.C. |
| DC 3 wire 10-55V PNP N.O. |
| DC 3 wire 10-55V PNP N.C. |
| DC 3 wire 5-36 V NPN N.O. |
| DC 3 wire 5-36 V NPN N.C. |
| DC 3 wire 5-36 V PNP N.O. |
| DC 3 wire 5-36 V PNP N.C. |

|                   |    |                   |
|-------------------|----|-------------------|
| ISS-S6.503N-A1ES4 | 1* | ISN-S6.506N-A1ES4 |
| ISS-S6.503N-B1ES4 | 2  | ISN-S6.506N-B1ES4 |
| ISS-S6.503P-A1ES4 | 3  | ISN-S6.506P-A1ES4 |
| ISS-S6.503P-B1ES4 | 4  | ISN-S6.506P-B1ES4 |
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|                   |    |                   |
|-------------------|----|-------------------|
| ISS-S6.503N-A1EN4 | 1* | ISN-S6.506N-A1EN4 |
| ISS-S6.503N-B1EN4 | 2  | ISN-S6.506N-B1EN4 |
| ISS-S6.503P-A1EN4 | 3  | ISN-S6.506P-A1EN4 |
| ISS-S6.503P-B1EN4 | 4  | ISN-S6.506P-B1EN4 |
|                   |    |                   |
|                   |    |                   |
|                   |    |                   |
|                   |    |                   |
|                   |    |                   |
|                   |    |                   |
|                   |    |                   |
|                   |    |                   |

\* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.