

WELD FIELD IMMUNE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

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

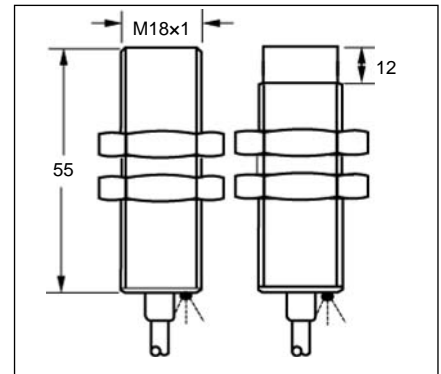
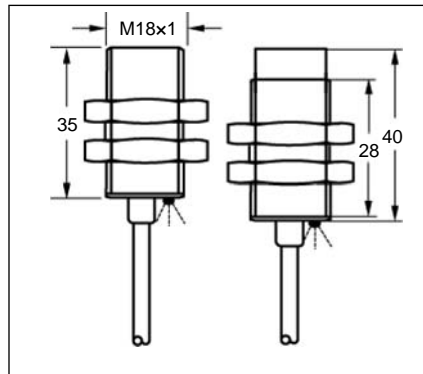
| | |
|-----------------|------|
| M18 | |
| ● | ○ |
| 5 mm | 8 mm |
| Stainless steel | |
| ● | |

| | |
|-----------------|------|
| M18 | |
| ● | ○ |
| 5 mm | 8 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 |
| <1.5V |
| 1KHz 500Hz |
| 0.2ms/0.2ms 0.5ms/0.5ms |
| <15%(Sr) |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| Yes |
| 220mA |
| PTFE |

| |
|----------------------------|
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| <1.5V |
| 1KHz 500Hz |
| 0.2ms/0.2ms 0.5ms/0.5ms |
| <15%(Sr) |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| Yes |
| 220mA |
| PTFE |

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

| |
|-------------------------|
| 2M Cable (5.0 φ 3x0.34) |
| approx.130 g |

| |
|-------------------------|
| 2M Cable (5.0 φ 3x0.34) |
| approx.150 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. |

| | | |
|------------------|----|------------------|
| WSS-M1805N-A1VS2 | 1* | WSN-M1808N-A1VS2 |
| WSS-M1805N-B1VS2 | 2 | WSN-M1808N-B1VS2 |
| WSS-M1805P-A1VS2 | 3 | WSN-M1808P-A1VS2 |
| WSS-M1805P-B1VS2 | 4 | WSN-M1808P-B1VS2 |
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|------------------|----|------------------|
| WSS-M1805N-A1VN2 | 1* | WSN-M1808N-A1VN2 |
| WSS-M1805N-B1VN2 | 2 | WSN-M1808N-B1VN2 |
| WSS-M1805P-A1VN2 | 3 | WSN-M1808P-A1VN2 |
| WSS-M1805P-B1VN2 | 4 | WSN-M1808P-B1VN2 |
| | | |
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* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

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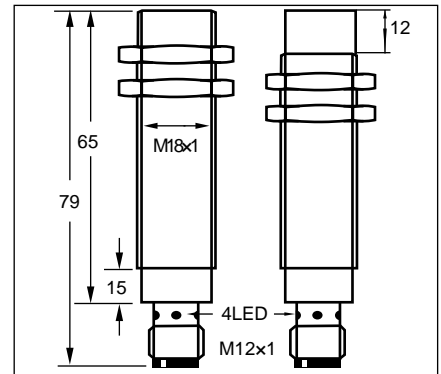
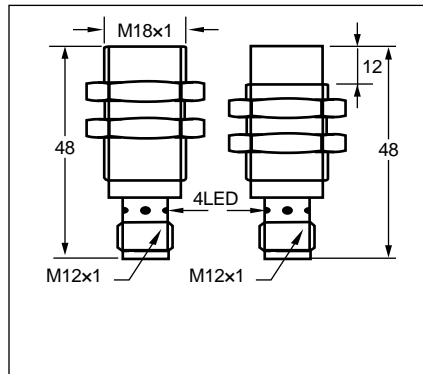
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| M18 | |
| ● | ○ |
| 5 mm | 8 mm |
| Stainless steel | |
| ● | |

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| M18 | |
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| Picture |
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| Dimensions (unit: mm) |
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|--------------------------|
| Ripple |
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| Leakage Current |
| Voltage Drop |
| Switching Frequency |
| Response Time |
| Switching Hysteresis |
| Repeat Accuracy |
| Protection Category |
| Operating Temperature |
| Temperature Drift |
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| <15%(Sr) |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| Yes |
| 220mA |
| PTFE |

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

| |
|---------------|
| M12 connector |
| approx.52 g |

| |
|---------------|
| M12 connector |
| approx.95 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. |

| | | |
|------------------|----|------------------|
| WSS-M1805N-A1ES4 | 1* | WSN-M1808N-A1ES4 |
| WSS-M1805N-B1ES4 | 2 | WSN-M1808N-B1ES4 |
| WSS-M1805P-A1ES4 | 3 | WSN-M1808P-A1ES4 |
| WSS-M1805P-B1ES4 | 4 | WSN-M1808P-B1ES4 |
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| | | |
|------------------|----|------------------|
| WSS-M1805N-A1EN4 | 1* | WSN-M1808N-A1EN4 |
| WSS-M1805N-B1EN4 | 2 | WSN-M1808N-B1EN4 |
| WSS-M1805P-A1EN4 | 3 | WSN-M1808P-A1EN4 |
| WSS-M1805P-B1EN4 | 4 | WSN-M1808P-B1EN4 |
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