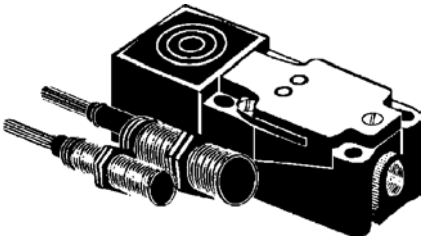


Inductive Proximity Sensors

- For Sensing of All Ferrous Metals
- 12, 18 and 30 mm Diameters
- Stainless Steel Housing, Nickel Plated Brass or Polyester Housing
- Extended Sensing Range On 2 Wire DC Types
- Sensing Distances Up to 25 mm
- 2 Or 3 Wire DC, 2 Wire AC, 4 Wire AC/DC
- Easy to View LED Indication

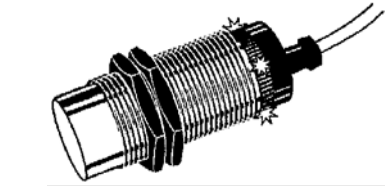
- Common Applications Include:
- End of Travel Detection
 - Broken Drill or Saw Blade Detection
 - RPM/Zero Speed Detection



| Stock No. | Mfr.'s Type | Sensing Technology | Housing (Thread) Material | Diameter × Length (mm) | Sensing Range (mm) | Shielded (Flush Mount) | Supply Voltage | Output Type* | Maximum Current (mA) | Switching Speed (Hz) | EACH | |
|-----------|----------------|--------------------|---------------------------|------------------------|--------------------|------------------------|----------------|----------------|----------------------|----------------------|--------|--------|
| | | | | | | | | | | | 1-4 | 5-9 |
| 251-1102 | EI 1202 NPOSS | Inductive | SS 304 | M12 × 46 | 2 | Yes | 10-40 VDC | NPN N/O | 200 | 800 | 67.00 | 63.65 |
| 251-0126 | IA12 DSF 04DO* | Inductive | NiBr | M12 × 54 | 4 | Yes | 10-40 VDC | NPN N/O | 100 | 1000 | 79.00 | 75.05 |
| 251-0003 | EI 1202 TBOSL | Inductive | SS 304 | M12 × 66 | 2 | Yes | 20-250 VAC | SCR N/O | 500 | 25 | 104.00 | 98.80 |
| 251-1104 | EI 1204 NPOSS | Inductive | SS 304 | M12 × 50 | 4 | No | 10-40 VDC | NPN N/O | 200 | 500 | 67.00 | 63.65 |
| 251-0127 | IA12 DSN 08DO* | Inductive | Ni Br | M12 × 58 | 8 | No | 10-40 VDC | NPN N/O | 100 | 800 | 79.00 | 75.05 |
| 251-0007 | EI 1204 TBOSL | Inductive | SS 304 | M12 × 70 | 4 | No | 20-250 VAC | SCR N/O | 500 | 25 | 104.00 | 98.80 |
| 251-0150 | EI 1805 NPOSS | Inductive | SS 304 | M18 × 57 | 5 | Yes | 10-40 VDC | NPN N/O | 200 | 500 | 77.00 | 73.15 |
| 251-0128 | IA18 DSF 08DO* | Inductive | NiBr | M18 × 57 | 8 | Yes | 10-40 VDC | NPN N/O | 100 | 500 | 83.00 | 78.60 |
| 251-0010 | EI 1805 TBOSL | Inductive | SS 304 | M18 × 57 | 5 | Yes | 20-250 VAC | SCR N/O | 500 | 25 | 111.00 | 105.45 |
| 251-1108 | EI 1808 NPOSS | Inductive | SS 304 | M18 × 65 | 8 | No | 10-40 VDC | NPN N/O | 200 | 400 | 77.00 | 73.15 |
| 251-0129 | IA18 DSN 14DO | Inductive | Ni Br | M18 × 65 | 14 | No | 10-40 VDC | NPN N/O | 100 | 400 | 83.00 | 78.85 |
| 251-0013 | EI 1808 TBOSL | Inductive | SS 304 | M18 × 65 | 8 | No | 20-250 VAC | SCR N/O | 500 | 25 | 111.00 | 105.45 |
| 251-1110 | EI 3010 NPOSS | Inductive | SS 304 | M30 × 59 | 10 | Yes | 10-40 VDC | NPN N/O | 200 | 300 | 88.00 | 83.60 |
| 251-0130 | IA30 DSF 15DO* | Inductive | NiBr | M30 × 59 | 15 | Yes | 10-40 VDC | NPN N/O | 100 | 400 | 87.00 | 82.65 |
| 251-0016 | EI 3010 TBOSL | Inductive | SS 304 | M30 × 59 | 10 | Yes | 20-250 VAC | SCR N/O | 500 | 25 | 117.00 | 111.15 |
| 251-1112 | EI 3015 NPOSS | Inductive | SS 304 | M30 × 71 | 15 | No | 10-40 VDC | NPN N/O | 200 | 100 | 88.00 | 83.60 |
| 251-0131 | IA30 DSN 22DO* | Inductive | Ni Br | M30 × 71 | 22 | No | 10-40 VDC | NPN N/O | 100 | 200 | 87.00 | 82.65 |
| 251-0019 | EI 3015 TBOSL | Inductive | SS 304 | M30 × 87.5 | 15 | No | 20-250 VAC | SCR N/O | 500 | 25 | 117.00 | 111.16 |
| 251-1020 | EIA 4025 NPAP | Inductive | PBTP | 40 × 40 × 120 | 25 | No | 10-55 VDC | NPN N/O and C | 200 | 100 | 148.00 | 140.60 |
| 251-1022 | EIA 4025 UPAP | Inductive | PBTP | 40 × 40 × 120 | 25 | No | 20-250 VAC/DC | VMOS N/O and C | 250 | 100 | 170.00 | 161.51 |

*Upon request, most of the sensors above are available in plastic or metal housings with M12 quick disconnect, PNP and/or N/C outputs.

Capacitive Proximity Sensors



- For Sensing of Granulates, Plastics and other Ferrous/Non- Ferrous Materials
- 18 and 30 mm Diameters
- Rugged and Cost Effective Polyester Housings
- NEW Patented TRIPLESIELD™ Protection
- Adjustable Sensitivity, Up to 25 mm
- 3 or 4 Wire DC, 2 Wire AC/DC or 2 Wire AC
- Ring LED Indication (30 mm Types); Side LED Indication (18 mm Types)

- Common Applications Include:
- Grain/Plastic Pellet Hopper Level Detection
 - Level Control Through Sight Glass
 - Detection Inside of Cardboard/Plastic Containers

| Stock No. | Mfr.'s Type | Sensing Technology | Housing (Thread) Material | Diameter × Length (mm) | Sensing Range (mm) | Shielded (Flush Mount) | Supply Voltage | Output Type* | Maximum Current (mA) | Switching Speed (Hz) | EACH | |
|-----------|----------------|--------------------|---------------------------|------------------------|--------------------|------------------------|----------------|-----------------|----------------------|----------------------|--------|--------|
| | | | | | | | | | | | 1-4 | 5-9 |
| 251-0132 | CA18 CLF 08NA† | Capacitive | PBTP | M18 × 87 | 3-8 | Yes | 10-40 VDC | NPN N/O | 200 | 30 | 85.00 | 80.75 |
| 251-0133 | CA18 CLF 08TO† | Capacitive | PBTP | M18 × 87 | 3-8 | Yes | 20-250 VAC | SCR N/O | 500 | 10 | 132.00 | 125.40 |
| 251-0134 | CA18 CLF 08TO† | Capacitive | PBTP | M18 × 87 | 3-8 | Yes | 20-250 VAC | SCR N/C | 500 | 10 | 132.00 | 125.40 |
| 251-0135 | CA18 CLN 12NA† | Capacitive | PBTP | M18 × 87 | 3-12 | No | 10-40 VDC | NPN N/O | 200 | 30 | 82.00 | 80.75 |
| 251-0136 | CA18 CLN 12TO† | Capacitive | PBTP | M18 × 87 | 3-12 | No | 20-250 VAC | SCR N/O | 500 | 10 | 132.00 | 125.40 |
| 251-0137 | CA18 CLN 12TC† | Capacitive | PBTP | M18 × 87 | 3-12 | No | 20-250 VAC | SCR N/C | 500 | 10 | 132.00 | 125.40 |
| 251-0138 | CA30CLF16CP† | Capacitive | PBTP | M30 × 79 | 2-16 | Yes | 20-250 VAC/DC | MOSFET N/O or C | 250 | 10 | 150.00 | 142.50 |
| 251-0139 | EC3016 NPAPL† | Capacitive | PBTP | M30 × 71 | 4-16 | Yes | 10-40 VDC | NPN N/O and C | 200 | 100 | 134.00 | 127.30 |
| 251-0140 | EC3016 TBAPL† | Capacitive | PBTP | M30 × 71 | 4-16 | Yes | 20-250 VAC | SCR N/O or C | 500 | 25 | 190.00 | 180.50 |
| 251-0141 | CA30CLN25CP | Capacitive | PBTP | M30 × 91 | 2-25 | No | 20-250 VAC/DC | MOSFET N/O or C | 250 | 10 | 150.00 | 142.50 |
| 251-1113 | EC 3025 NPAPL† | Capacitive | PBTP | M30 × 91 | 4-25 | No | 10-40 VDC | NPN N/O and C | 200 | 100 | 129.00 | 122.56 |
| 251-1115 | EC 3025 TBAPL† | Capacitive | PBTP | M30 × 90 | 4-25 | No | 20-250 VAC | SCR N/O or C | 500 | 25 | 174.00 | 166.30 |

*Upon request, most of the sensors above are available in plastic or metal housings with M12 quick disconnect, PNP and/or N/C outputs. †With NEW patented TRIPLESIELD™ protection from noise interference caused by ESD, GSM or transient bursts, also features a ring LED indication.

Photoelectric Sensors

- For Sensing of Light Colored/Reflective Objects
- Diffuse Reflective Types Up to 16 Inches (400 mm)
- Retro Reflective Types Up to 9.8 feet (3000 mm)
- Rugged and Cost Effective 18 mm Polyester Housing
- Easy to View LED Indication
- Adjustable Potentiometer

- Common Applications Include:
- Material Detection on a Conveyor
 - People and/or Vehicle Detection Through Doorway/Aisle
 - Detection of Parts in an Automation Process



| Stock No. | Mfr.'s Type | Sensing Technology | Housing (Thread) Material | Diameter × Length (mm) | Sensing Range (mm) | Shielded (Flush Mount) | Supply Voltage | Output Type* | Maximum Current (mA) | Switching Speed (Hz) | EACH | |
|-----------|---------------|--------------------|---------------------------|------------------------|--------------------|------------------------|----------------|---------------|----------------------|----------------------|-------|-------|
| | | | | | | | | | | | 1-4 | 5-9 |
| 251-0142 | PA18 CSD 04NA | Diffuse Reflective | PBTP | M18 × 71 | 0-400 | Yes | 10-40 VDC | NPN N/O and C | 200 | 120 | 69.00 | 65.55 |
| 251-0143 | PA18 CLD 04TO | Diffuse Reflective | PBTP | M18 × 87 | 0-400 | Yes | 20-250 VAC | SCR N/O | 500 | 20 | 75.00 | 71.26 |
| 251-0144 | PA18 CLD 04TC | Diffuse Reflective | PBTP | M18 × 87 | 0-400 | Yes | 20-250 VAC | SCR N/C | 500 | 20 | 75.00 | 71.26 |
| 251-0145 | PA18 CSR 30NA | Retro Reflective | PBTP | M18 × 71 | 0-3000 | Yes | 10-40 VDC | NPN N/O and C | 200 | 120 | 73.00 | 69.35 |
| 251-0146 | PA18 CLR 30TO | Retro Reflective | PBTP | M18 × 87 | 0-3000 | Yes | 20-250 VAC | SCR N/O | 500 | 20 | 78.00 | 74.10 |
| 251-0147 | PA18 CLR 30TC | Retro Reflective | PBTP | M18 × 87 | 0-3000 | Yes | 20-250 VAC | SCR N/C | 500 | 20 | 78.00 | 74.10 |

*Upon request, most of the sensors above are available in plastic or metal housings with M12 quick disconnect, PNP and/or N/C outputs.