

Inductive Sensors



| Housing Style | Part Number | ID Number | Features | Embeddable | Sensing Range (mm) | Output |
|--|------------------|--------------|--------------|------------|--------------------|-----------------|
| 12 mm - Embeddable/Nonembeddable, Plastic, Terminal Chamber | Bi 2-P12SK-Y1X | M4031000 | | • | 2 | 2-Wire DC NAMUR |
| | Ni 5-P12SK-Y0X | T4031100 | | | 5 | 2-Wire DC NAMUR |
| 12 mm - Embeddable/Nonembeddable, Plastic, Terminal Chamber | Bi 2-P12SK-AD4X | T4453050 | | • | 2 | 2-Wire DC |
| | Bi 2-P12SK-AN6X2 | T4654000 | | • | 2 | 3-Wire DC NPN |
| | Bi 3U-P12SK-AN6X | M1634720 | <i>Uprox</i> | • | 3 | |
| | Ni 5-P12SK-AN6X2 | T4654200 | | | 5 | |
| | Ni 8U-P12SK-AN6X | M1644720 | <i>Uprox</i> | | 8 | |
| | Bi 2-P12SK-AP6X2 | T4653900 | | • | 2 | 3-Wire DC PNP |
| | Bi 3U-P12SK-AP6X | M1634700 | <i>Uprox</i> | • | 3 | |
| Ni 5-P12SK-AP6X2 | T4654100 | | | 5 | | |
| Ni 8U-P12SK-AP6X | M1644700 | <i>Uprox</i> | | 8 | | |
| Bi 2-P12SK-AZ31X | M1339500 | | | • | 2 | 2-Wire AC/DC |

For detailed sensor specifications see Section M.
 Normally Closed versions available upon request, consult factory.



| Voltage | Switching Freq. (Hz) | Operating Current (mA) | Operating Temp. (°C) | Protection | Housing | Face | End Cap | Power LED | Output LED | Cable Length/ Cable Mat. | Wiring Diagram # | Wiring Diagrams |
|--------------------------|----------------------|------------------------|----------------------|------------|---------|-------|---------|-----------|------------|-----------------------------|------------------|-------------------------|
| 5-30 VDC | 5000 | Remote | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 1 | <p>Diagram 1</p> |
| 5-30 VDC | 2000 | Remote | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 1 | <p>Diagram 2</p> |
| 10-65 VDC | 1000 | ≤100 | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 2 | <p>Diagram 3</p> |
| 10-30 VDC | 2000 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | GN | YE | - - - - | 3 | <p>Diagram 4</p> |
| | 3000 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 3 | |
| | 1500 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | GN | YE | - - - - | 3 | |
| | 2000 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 3 | |
| 10-30 VDC | 2000 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | GN | YE | - - - - | 4 | <p>Diagram 5</p> |
| | 3000 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 4 | |
| | 1500 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | GN | YE | - - - - | 4 | |
| | 2000 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 4 | |
| 20-250 VAC 10-300 VDC | 20 | ≤100 | -25 to +70 | IP 67 | PA 12 | PA 12 | EPTR | N/A | YE | - - - - | 5 | |



Barrels

For material descriptions see page M22.

Inductive Sensors



| Housing Style | Part Number | ID Number | Features | Embeddable | Sensing Range (mm) | Output |
|---|-------------------|--------------|--------------|------------|--------------------|---------------|
| 18 mm - Embeddable and Nonembeddable, Full Threading, Terminal Chamber | Bi 5-P18SK-Y1X | M4036000 | | • | 5 | 2-Wire NAMUR |
| | Ni 10-P18SK-Y1X | M4036100 | | | 10 | |
| 18 mm - Embeddable and Nonembeddable, Full Threading, Terminal Chamber | Bi 5-P18SK-AN6X2 | T4657000 | | • | 5 | 3-Wire DC NPN |
| | Bi 5U-P18SK-AN6X | M1635720 | <i>Uprox</i> | • | 5 | |
| | Ni 10-P18SK-AN6X2 | T4657200 | | | 10 | |
| | Ni 12U-P18SK-AN6X | M1645720 | <i>Uprox</i> | | 12 | |
| | Bi 5-P18SK-AP6X2 | T4656900 | | • | 5 | 3-Wire DC PNP |
| | Bi 5U-P18SK-AP6X | M1635700 | <i>Uprox</i> | • | 5 | |
| Ni 10-P18SK-AP6X2 | T4657100 | | | 10 | | |
| Ni 12U-P18SK-AP6X | M1645700 | <i>Uprox</i> | | 12 | | |
| 18 mm - Embeddable and Nonembeddable, Full Threading, Terminal Chamber | Bi 5-P18SK-AZ3X2 | T4351400 | | • | 5 | 2-Wire AC/DC |
| | Ni 10-P18SK-AZ3X2 | T4351500 | | | 10 | |

For detailed sensor specifications see Section M.
 Normally Closed versions available upon request, consult factory.



| Output | Switching Freq. (Hz) | Operating Current (mA) VAC/VDC | Operating Temp. (°C) | Protection | Housing | Face | End Cap | Power LED | Output LED | Cable Length/ Cable Mat. | Wiring Diagram # | Wiring Diagrams |
|------------|----------------------|--------------------------------|----------------------|------------|---------|-------|---------|-----------|------------|--------------------------|------------------|----------------------|
| 5-30 VDC | 1000 | Remote | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | N/A | YE | - - - - | 1 | Diagram 1 |
| | 500 | Remote | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | N/A | YE | - - - - | 1 | |
| 10-30 VDC | 1000 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | GN | YE | - - - - | 2 | Diagram 2 |
| | 2500 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | N/A | N/A | YE | - - - - | 2 | |
| | 1000 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | GN | YE | - - - - | 2 | |
| | 2000 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | N/A | N/A | YE | - - - - | 2 | |
| 10-30 VDC | 1000 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | GN | YE | - - - - | 3 | Diagram 3 |
| | 2500 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | N/A | N/A | YE | - - - - | 3 | |
| | 1000 | ≤200 | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | GN | YE | - - - - | 3 | |
| | 2000 | ≤200 | -30 to +85 | IP 68 | PA 12 | PA 12 | N/A | N/A | YE | - - - - | 3 | |
| 20-250 VAC | 20 | ≤400/300 | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | GN | RD | - - - - | 4 | Diagram 4 |
| | 20 | ≤400/300 | -25 to +70 | IP 67 | PA 12 | PA 12 | N/A | GN | RD | - - - - | 4 | |

Barrels

For material descriptions see page M22.