



| Voltage   | Switching Freq. (Hz) | Operating Current (mA) | Operating Temp. (°C) | Protection  | Housing | Face  | End Cap | Power LED | Output LED | Cable Length/<br>Cable Mat. | Wiring Diagram # | Wiring Diagrams                                 |
|-----------|----------------------|------------------------|----------------------|-------------|---------|-------|---------|-----------|------------|-----------------------------|------------------|---|
| 10-30 VDC | 2000                 | ≤200                   | -40 to +70           | IP 68/ 69 K | SS      | PVDF  | EPTR    | N/A       | YE         | 2M/PUR                      | 3                | <p><b>Diagram 1</b></p> <p><b>Diagram 2</b></p> |
|           | 3000                 | ≤200                   | -30 to +85           | IP 68       | SS      | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 2                | <p><b>Diagram 3</b></p>                         |
| 10-30 VDC | 3000                 | ≤200                   | -30 to +85           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 2                |   |
|           | 3000                 | ≤200                   | -30 to +85           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 3                |   |
| 10-30 VDC | 2000                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 4                | <p><b>Diagram 5</b></p>                         |
|           | 2000                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 4                |   |
| 10-30 VDC | 2000                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 5                |   |
| 10-30 VDC | 100                  | ≤200                   | -25 to +120          | IP 67       | SS      | PTFE  | PTFE    | N/A       | N/A        | 2M/PTFE                     | 3                |   |
|           | 2000                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 2                |   |
| 10-30 VDC | 2000                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 2                |   |
|           | 1500                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 3                |   |
| 10-30 VDC | 2000                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 3                |   |
|           | 1500                 | ≤200                   | -25 to +70           | IP 67       | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                      | 3                |   |

Barrels

For material descriptions see page M22.

# Inductive Sensors



| Housing Style   | Part Number            | ID Number  | Features              | Sensing Range (mm) | Output  |
|---|------------------------|------------|-----------------------|--------------------|---|
| <b>12 mm - Embeddable, Potted-In Cable</b><br>                | Bi 3-GT12K-AD4X/S1610  | T4405083-2 | <i>armorguard</i>     | 3                  | 2-Wire DC                                     |
|   | Bi 2-EG12HK-AN6X/S1589 | T4605192   | <i>armorguard</i>     | 2                  | 3-Wire DC<br>NPN                              |
|   | Bi 2-G12K-AN6X         | T4671200   | <i>Short Barrel</i>   | 2                  |   |
|   | Bi 4-G12K-AN6X         | T4670251   | <i>Short Barrel</i>   | 4                  |   |
|   | Bi 2-G12K-AP6X         | T4670200   | <i>Short Barrel</i>   | 2                  | 3-Wire DC<br>PNP                              |
|   | Bi 4-G12K-AP6X         | T4670250   | <i>Short Barrel</i>   | 4                  |   |
|   | Bi 2-EG12-Y0X          | T4012000   |                       | 2                  | 2-Wire DC<br>NAMUR                            |
|   | Bi 2-G12-Y0            | T1005400   |                       | 2                  |   |
| Bi 2-G12-Y0X  | T4010000               |            | 2                     |                    |   |
| <b>12 mm - Embeddable, Potted-In Cable</b><br>                | Bi 2-EG12-AN6X         | T4605101   |                       | 2                  | 3-Wire DC<br>NPN                              |
|   | Bi 2-G12-AN6X          | T4635500   |                       | 2                  |   |
|   | Bi 2-G12-AN7X          | T4730500   | <i>TTL Compatible</i> | 2                  |   |
|   | Bi 4-G12-AN6X          | T1690706   | <i>Extended Range</i> | 4                  |   |
|   | Bi 2-EG12-AP6X         | T4605001   |                       | 2                  | 3-Wire DC<br>PNP                              |
|   | Bi 2-G12-AP6X          | T4635400   |                       | 2                  |   |
| <b>12 mm - Embeddable, Potted-In Cable</b><br>                | Bi 2-G12-ADZ32X        | T4205000   |                       | 2                  | 2-Wire<br>AC/DC<br>Short-circuit<br>Protected |
|   | Bi 4-G12-ADZ32X        | T4205030   | <i>Extended Range</i> | 4                  |   |
|   | Bi 2-G12-AZ33X         | T1304002   |                       | 2                  | 2-Wire<br>AC/DC                               |
|   | Bi 2-GT12-ADZ32X/S34   | T4205210   | <i>WFI</i>            | 2                  | 2-Wire<br>AC/DC<br>Short-circuit<br>Protected |
| <b>12 mm - Embeddable, Potted-In Cable, Teflon Coated</b><br> | Bi 2-GT12-AZ33X/S34    | T1304052   | <i>WFI</i>            | 2                  | 2-Wire<br>AC/DC                               |

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