

# Inductive Sensors



| Housing Style                                       | Part Number         | ID Number | Features      | Sensing Range (mm) | Output        |
|-----------------------------------------------------|---------------------|-----------|---------------|--------------------|---------------|
| <b>47 mm - Embeddable, minifast® Connection</b><br> | Bi25-G47-VN4X-B2141 | M4590300  | Comp. Outputs | 25                 | 4-Wire DC NPN |
|                                                     | Bi25-G47-VP4X-B2141 | M4590200  | Comp. Outputs | 25                 | 4-Wire DC PNP |
|                                                     | Bi20-G47-AZ3X-B2131 | M4375900  |               | 20                 | 2-Wire AC/DC  |
| <b>47 mm - Embeddable, Potted-In Cable</b><br>      | Bi20-G47-AN4X       | M1574500  |               | 20                 | 3-Wire DC NPN |
|                                                     | Bi20-G47-AP4X       | M1564500  |               | 20                 | 3-Wire DC PNP |
|                                                     | Bi20-G47-AZ3X       | M1308800  |               | 20                 | 2-Wire AC/DC  |
| <b>47 mm - Nonembeddable, Potted-In Cable</b><br>   | Ni25-G47-AN4X       | M1574600  |               | 25                 | 3-Wire DC NPN |
|                                                     | Ni25-G47-AP4X       | M1564600  |               | 25                 | 3-Wire DC PNP |
|                                                     | Ni25-G47-AZ3X       | M1308900  |               | 25                 | 2-Wire AC/DC  |

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



| Voltage                  | Switching<br>Freq. (Hz) | Operating<br>Current (mA)<br>AC/DC | Operating<br>Temp. (°C) | Protection | Housing | Face  | End Cap | Power LED | Output LED | Mating Cord,<br>Cable Length<br>/Jacket | Wiring<br>Diagram # | Wiring Diagrams      |
|--------------------------|-------------------------|------------------------------------|-------------------------|------------|---------|-------|---------|-----------|------------|-----------------------------------------|---------------------|----------------------|
| 10-65 VDC                | 100                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | ----    | N/A       | YE         | RKM 40-*M                               | 1                   | <b>Diagram 1</b><br> |
| 10-65 VDC                | 100                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | ----    | N/A       | YE         | RKM 40-*M                               | 2                   | <b>Diagram 2</b><br> |
| 20-250 VAC<br>10-300 VDC | 20                      | ≤400/300                           | -25 to +70              | IP 67      | CPB     | PA 12 | ----    | N/A       | RD         | RKM 30-*M                               | 3                   | <b>Diagram 3</b><br> |
| 10-65 VDC                | 100                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                                  | 4                   | <b>Diagram 4</b><br> |
| 10-65 VDC                | 100                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                                  | 5                   | <b>Diagram 5</b><br> |
| 20-250 VAC<br>10-300 VDC | 20                      | ≤400/300                           | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | RD         | 2M/PVC                                  | 6                   | <b>Diagram 6</b><br> |
| 10-65 VDC                | 100                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                                  | 4                   | <b>Diagram 7</b><br> |
| 10-65 VDC                | 100                     | ≤200                               | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | YE         | 2M/PVC                                  | 5                   | <b>Diagram 8</b><br> |
| 20-250 VAC<br>10-300 VDC | 20                      | ≤400/300                           | -25 to +70              | IP 67      | CPB     | PA 12 | EPTR    | N/A       | RD         | 2M/PVC                                  | 6                   | <b>Diagram 9</b><br> |

\* Length in meters.

For material descriptions see page M36.