

# Inductive Sensors



| Housing Style                                                                    | Part Number                   | ID Number  | Features        | Sensing Range (mm) | Output          |
|----------------------------------------------------------------------------------|-------------------------------|------------|-----------------|--------------------|-----------------|
| <b>8 mm - Embeddable, Miniature Threaded, eurofast® Quick Disconnect</b><br><br> | Bi 2-EG08K-AG41X-H1341        | S4562011   | Short Barrel    | 2                  | 2-Wire DC       |
|                                                                                  | Bi 2-EG08K-AG41X-H1341/S1589  | S4562090   | weldguard®      | 2                  |                 |
|                                                                                  | Bi 1.5-EG08K-AN6X-H1341       | S4669150   | Short Barrel    | 1.5                | 3-Wire DC NPN   |
|                                                                                  | Bi 2-EG08K-AN6X-H1341         | S4669560   | Short Barrel    | 2                  |                 |
|                                                                                  | Bi 1.5-EG08K-AP6X-H1341       | S4669050   | Short Barrel    | 1.5                | 3-Wire DC PNP   |
|                                                                                  | Bi 2-EG08K-AP6X-H1341         | S4669460   | Short Barrel    | 2                  |                 |
|                                                                                  | Bi 2-EG08K-AP6X-H1341/S1589   | S4669486   | weldguard       | 2                  |                 |
|                                                                                  | Bi 1.5-EG08K-Y1-H1341         | S1003620   | Short Barrel    | 1.5                | 2-Wire DC NAMUR |
|                                                                                  | Bi 1.5-EG08K-Y1X-H1341        | S1003640   | Short Barrel    | 1.5                |                 |
|                                                                                  |                               |            |                 |                    |                 |
| <b>8 mm - Embeddable, Miniature Threaded, eurofast Quick Disconnect</b><br><br>  | Bi 2-EG08-AG41X-H1341         | S4562001   | Ext. Range      | 2                  | 2-Wire DC       |
|                                                                                  | Bi 2-EG08-AG41X-H1341/S1589   | S4562095   | weldguard       | 2                  |                 |
|                                                                                  | Bi 1.5-EG08-AD6X-H1341        | S4600203   |                 | 1.5                |                 |
|                                                                                  | Bi 1.5-EG08-AN6X-H1341        | S4602360   |                 | 1.5                | 3-Wire DC NPN   |
|                                                                                  | Bi 1.5-EG08WD-AN6X-H1341      | S4602211   | Washdown        | 1.5                |                 |
|                                                                                  | Bi 1.5-EG08-AN7X-H1341        | S4602361   | TTL Compatible  | 1.5                |                 |
|                                                                                  | Bi 1.5U-EG08-AN6X-H1341       | S4600550   | Uprox           | 1.5                |                 |
|                                                                                  | Bi 2-EG08-AN6X-H1341          | S4602160   | Ext. Range      | 2                  |                 |
|                                                                                  | Bi 2-EG08-AN6X-H1341/S1589    | S4602182   | weldguard       | 2                  |                 |
|                                                                                  | Bi 2U-EG08-AN6X-H1341         | S4602037   | Uprox           | 2                  |                 |
|                                                                                  | Bi 1.5U-EGT08-AN6X-H1341      | S4600558   | Uprox           | 1.5                |                 |
|                                                                                  |                               |            |                 |                    |                 |
|                                                                                  | Bi 1.5-EG08-AP6X-H1341        | S4602260   |                 | 1.5                | 3-Wire DC PNP   |
|                                                                                  | Bi 1.5-EG08WD-AP6X-H1341      | S4602210   | Washdown        | 1.5                |                 |
|                                                                                  | Bi 1.5U-EG08-AP6X-H1341       | S4600540   | Uprox           | 1.5                |                 |
|                                                                                  | Bi 2-EG08-AP6X-H1341          | S4602060   | Ext. Range      | 2                  |                 |
|                                                                                  | Bi 2-EG08-AP6X-H1341/S1589    | S4602086   | weldguard       | 2                  |                 |
|                                                                                  | Bi 2U-EG08-AP6X-H1341         | S4602034   | Uprox           | 2                  |                 |
|                                                                                  | Bi 1.5U-EG08-AP6X-H1341/S1589 | S4600540-1 | Uprox/weldguard | 1.5                |                 |
|                                                                                  | Bi 1.5U-EGT08-AP6X-H1341      | S4600555   | Uprox           | 1.5                |                 |
|                                                                                  |                               |            |                 |                    |                 |
|                                                                                  | Bi 2-EG08-VN6X-H1341          | S4602521   | Comp. Outputs   | 2                  | 4-Wire DC NPN   |
|                                                                                  | Bi 2-EG08-VP6X-H1341          | S4602522   | Comp. Outputs   | 2                  | 4-Wire DC PNP   |
|                                                                                  | Bi 1.5-EG08-Y1-H1341          | S1003502   |                 | 1.5                | 2-Wire DC NAMUR |

| Voltage   | Switching Freq. (Hz) | Operating Current (mA) | Operating Temp. (°C) | Protection | Housing | Face  | Power LED | Output LED | Mating Cordset | Wiring Diagram # | Wiring Diagrams      |
|-----------|----------------------|------------------------|----------------------|------------|---------|-------|-----------|------------|----------------|------------------|----------------------|
| 10-65 VDC | 1000                 | ≤100                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 1                | <b>Diagram 1</b><br> |
|           | 1000                 | ≤100                   | -25 to +70           | IP 67      | SS      | WG    | N/A       | YE         | RK 4T-*        | 1                |                      |
| 10-30 VDC | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                | <b>Diagram 2</b><br> |
|           | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                |                      |
| 10-30 VDC | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 4                | <b>Diagram 3</b><br> |
|           | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 4                |                      |
|           | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | WG    | N/A       | YE         | RK 4T-*        | 4                |                      |
| 5-30 VDC  | 5000                 | Remote                 | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | N/A        | RK 4.21T-*     | 5                | <b>Diagram 4</b><br> |
|           | 5000                 | Remote                 | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4.21T-*     | 5                |                      |
| 10-65 VDC | 1000                 | ≤100                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 1                | <b>Diagram 5</b><br> |
|           | 1000                 | ≤100                   | -25 to +70           | IP 67      | SS      | WG    | N/A       | YE         | RK 4T-*        | 1                |                      |
|           | 1000                 | ≤100                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4.2T-*      | 2                |                      |
| 10-30 VDC | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                | <b>Diagram 6</b><br> |
|           | 3000                 | ≤150                   | -10 to +85           | IP 68, 69K | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                |                      |
|           | 2000                 | ≤150                   | -25 to +70           | IP 68      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                |                      |
|           | 2000                 | ≤150                   | -30 to +85           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                |                      |
|           | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                |                      |
|           | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | WG    | N/A       | YE         | RKG 4T-*       | 3                |                      |
|           | 1000                 | ≤150                   | -35 to +85           | IP 68      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 3                |                      |
|           | 3000                 | ≤150                   | -30 to +85           | IP 67      | TC      | TC    | N/A       | YE         | RK 4T-*        | 3                |                      |
| 10-30 VDC | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 4                | <b>Diagram 7</b><br> |
|           | 3000                 | ≤150                   | -10 to +85           | IP 68, 69K | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 4                |                      |
|           | 2000                 | ≤150                   | -30 to +85           | IP 68      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 4                |                      |
|           | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 4                |                      |
|           | 3000                 | ≤150                   | -25 to +70           | IP 67      | SS      | WG    | N/A       | YE         | RKG 4T-2       | 4                |                      |
|           | 1000                 | ≤150                   | -35 to +85           | IP 68      | SS      | PA 12 | N/A       | YE         | RK 4T-*        | 4                |                      |
|           | 2000                 | ≤150                   | -30 to +85           | IP 67      | SS      | WG    | N/A       | YE         | RK 4T-*        | 4                |                      |
|           | 2000                 | ≤150                   | -30 to +85           | IP 67      | TC      | TC    | N/A       | YE         | RK 4T-*        | 4                |                      |
| 10-30 VDC | 3000                 | ≤200                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4.4T-*      | 6                | <b>Diagram 8</b><br> |
| 10-30 VDC | 3000                 | ≤200                   | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | YE         | RK 4.4T-*      | 7                |                      |
| 5-30 VDC  | 5000                 | Remote                 | -25 to +70           | IP 67      | SS      | PA 12 | N/A       | N/A        | RK 4.21T-*     | 5                | <b>Diagram 9</b><br> |

\* Length in meters.

