

Inductive Sensors



| Housing Style | Part Number | ID Number | Features | Sensing Range (mm) | Output | |
|--|---|-----------------------------|----------------------------|--------------------|-----------------|-----------|
| 8 mm - Embeddable, Miniature Threaded, eurofast® Quick Disconnect | Bi 2-EG08K-AG41X-H1341 | S4562011 | Short Barrel | 2 | 2-Wire DC | |
| | Bi 2-EG08K-AG41X-H1341/S1589 | S4562090 | weldguard® | 2 | | |
| | Bi 2-EGT08K-AG41X-H1341 | S4602543 | SS, PTFE Coated | 2 | | |
| | Bi 2-EGT08K-AG41X-H1341/S1589 | S4602599 | SS, PTFE, 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 | | |
| | 8 mm - Embeddable, Miniature Threaded, eurofast Quick Disconnect | 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 2-EGT08-AG41X-H1341/S100 | | S4602542 | SS, PTFE Coated | 2 | | |
| Bi 1.5-EG08-AN6X-H1341 | | S4602360 | | 1.5 | 3-Wire DC NPN | |
| 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 2-EGT08-AN6X-H1341/S100 | | S4602161 | SS, PTFE Coated | 2 | | |
| Bi 2-EGT08-AN6X-H1341/S100 | | S4602161 | | 2 | | |
| Bi 1.5-EG08-AP6X-H1341 | | S4602260 | | 1.5 | 3-Wire DC PNP | |
| 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, SS, PTFE | 1.5 | | |
| Bi 2-EGT08-AP6X-H1341/S100 | | S4602257 | SS, PTFE Coated | 2 | | |
| Bi 2-EGT08-AP6X-H1341/S100/S1589 | | S4602079 | SS, PTFE, weldguard | 2 | | |
| Bi 2-EG08-VN6X-H1341 | | S4602521 | Comp. Outputs | 2 | 4-Wire DC NPN | |
| Bi 2-EGT08-VN6X-H1341 | | S4602264 | SS, PTFE Coated | 2 | | |
| Bi 2-EGT08-VN6X-H1341/S1589 | | S4602589 | SS, PTFE, weldguard | 2 | | |
| 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 | |

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 | 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 4.23T-* | 1 | Diagram 1 |
| | 1000 | ≤100 | -25 to +70 | IP 67 | SS | WG | N/A | YE | RK 4.23T-* | 1 | |
| | 1000 | ≤100 | -25 to +70 | IP 67 | SS | TC | N/A | YE | RK 4.23T-* | | |
| | 1000 | ≤100 | -25 to +70 | IP 67 | SS | TC | N/A | YE | RK 4.23T-* | | |
| 10-30 VDC | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | RK 4T-* | 3 | Diagram 2 |
| | 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 | Diagram 3 |
| | 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-*/S1587 | 4 | |
| 5-30 VDC | 5000 | Remote | -25 to +70 | IP 67 | SS | PA 12 | N/A | N/A | RK 4.21T-* | 5 | |
| | 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 4.23T-* | 1 | Diagram 4 |
| | 1000 | ≤100 | -25 to +70 | IP 67 | SS | WG | N/A | YE | RK 4.23T-* | 1 | |
| | 1000 | ≤100 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | RK 4.23T-* | 2 | |
| | 1000 | ≤100 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | RK 4.23T-* | 1 | |
| 10-30 VDC | 3000 | ≤150 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | RK 4T-* | 3 | Diagram 5 |
| | 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-*/S1587 | 3 | |
| | 1000 | ≤150 | -35 to +85 | IP 68 | SS | PA 12 | N/A | YE | RK 4T-* | 3 | |
| | 3000 | ≤150 | -25 to +100 | 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 | Diagram 6 |
| | 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-*/S1587 | 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-*/S1587 | 4 | |
| | 2000 | ≤150 | -30 to +85 | IP 67 | TC | TC | N/A | YE | RK 4T-* | 4 | |
| | 3000 | ≤150 | -25 to +100 | IP 67 | TC | TC | N/A | YE | RK 4T-* | 4 | |
| | 3000 | ≤150 | -25 to +100 | IP 67 | TC | TC | N/A | YE | RK 4T-*/S1587 | 4 | |
| 10-30 VDC | 3000 | ≤200 | -25 to +70 | IP 67 | SS | PA 12 | N/A | YE | RK 4.4T-* | 6 | Diagram 7 |
| | 3000 | ≤200 | -25 to +70 | IP 67 | SS | TC | N/A | YE | RK 4.4T-* | 6 | |
| | 3000 | ≤200 | -25 to +70 | IP 67 | SS | TC | N/A | YE | RK 4.4T-*/S1587 | 6 | |
| 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 | |

Barrels

*Length in meters.

For material descriptions see page M36.