



| Housing Style | Part Number | ID Number | Features | Sensing Range (mm) | Output |
|---|-------------------------|-----------|-------------------------|--------------------|---------------|
| 30 mm - Embeddable, eurofast® Connection | Bi15U-EM30-AN6X-H1141 | M1636737 | Uprox+, Stainless steel | 15 | 3-Wire DC NPN |
| | Bi15U-EM30WD-AN6X-H1141 | M1634834 | Uprox+, Washdown | 15 | |
| | Bi15U-M30-AN6X-H1141 | M1636736 | Uprox+ | 15 | |
| | Bi15U-MT30-AN6X-H1141 | M1636738 | Uprox+, Teflon | 15 | |
| | Bi15U-EM30-AP6X-H1141 | M1636733 | Uprox+, Stainless steel | 15 | 3-Wire DC PNP |
| | Bi15U-EM30WD-AP6X-H1141 | M1634820 | Uprox+, Washdown | 15 | |
| | Bi15U-M30-AP6X-H1141 | M1636732 | Uprox+ | 15 | |
| | Bi15U-MT30-AP6X-H1141 | M1636734 | Uprox+, Teflon | 15 | |
| | Bi15U-MT30-AP6X2-H1141 | M1644741 | Uprox+, Dual LED's | 15 | |
| | | | | | |
| 30 mm - Nonembeddable, eurofast Connection | Ni30U-EM30-AN6X-H1141 | M1644636 | Uprox+, Stainless steel | 30 | 3-Wire DC NPN |
| | Ni30U-EM30WD-AN6X-H1141 | M1634832 | Uprox+, Washdown | 30 | |
| | Ni30U-M30-AN6X-H1141 | M1644635 | Uprox+ | 30 | |
| | Ni30U-MT30-AN6X-H1141 | M1644637 | Uprox+, Teflon | 30 | |
| | Ni30U-EM30-AP6X-H1141 | M1646632 | Uprox+, Stainless steel | 30 | 3-Wire DC PNP |
| | Ni30U-EM30WD-AP6X-H1141 | M1634822 | Uprox+, Washdown | 30 | |
| | Ni30U-M30-AP6X-H1141 | M1646631 | Uprox+ | 30 | |
| | Ni30U-MT30-AP6X-H1141 | M1646633 | Uprox+, Teflon | 30 | |
| | Ni30U-MT30-AP6X2-H1141 | M1646635 | Uprox+, Dual LED's | 30 | |
| | | | | | |
| 30 mm - Embeddable, Potted-in Cable | Bi15U-EM30WD-AN6X | M1634843 | Uprox+, Washdown | 15 | 3-Wire DC NPN |
| | Bi15U-M30-AN6X | M1636735 | Uprox+ | 15 | |
| | Bi15U-EM30WD-AP6X | M1634819 | Uprox+, Washdown | 15 | 3-Wire DC PNP |
| | Bi15U-EM30-AP6X | M1636741 | Uprox+ | 15 | |
| | Bi15U-M30-AP6X | M1636731 | Uprox+ | 15 | |
| | | | | | |
| 30 mm - Nonembeddable, Potted-in Cable | Ni30U-EM30WD-AN6X | M1634833 | Uprox+, Washdown | 30 | 3-Wire DC NPN |
| | Ni30U-M30-AN6X | M1644634 | Uprox+ | 30 | |
| | Ni30U-EM30WD-AP6X | M1634821 | Uprox+, Washdown | 30 | 3-Wire DC PNP |
| | Ni30U-M30-AP6X | M1646630 | Uprox+ | 30 | |
| | | | | | |
| | | | | | |



| Voltage | Switching Freq. (Hz) | Operating Current (mA) | Operating Temp. (°C) | Protection | Housing | Face | Power LED | Output LED | Mating Cordset | Wiring Diagram # | Wiring Diagrams |
|-----------|----------------------|------------------------|----------------------|------------|---------|------|-----------|------------|----------------|------------------|----------------------|
| 10-30 VDC | 750 | ≤200 | -25 to +75 | IP 68 | SS | LCP | N/A | YE | RK 4T-* | 1 | Diagram 1 |
| | 750 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | RK 4T-* | 1 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | RK 4T-* | 1 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | TC | LCP | N/A | YE | RK 4T-* | 1 | |
| 10-30 VDC | 750 | ≤200 | -25 to +75 | IP 68 | SS | LCP | N/A | YE | RK 4T-* | 2 | Diagram 2 |
| | 750 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | RK 4T-* | 2 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | RK 4T-* | 2 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | TC | LCP | N/A | YE | RK 4T-* | 2 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | TC | LCP | GN | YE | RK 4T-* | 2 | |
| 10-30 VDC | 500 | ≤200 | -25 to +75 | IP 68 | SS | LCP | N/A | YE | RK 4T-* | 1 | Diagram 3 |
| | 500 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | RK 4T-* | 1 | |
| | 500 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | RK 4T-* | 1 | |
| | 500 | ≤200 | -25 to +75 | IP 68 | TC | LCP | N/A | YE | RK 4T-* | 1 | |
| 10-30 VDC | 500 | ≤200 | -25 to +75 | IP 68 | SS | LCP | N/A | YE | RK 4T-* | 2 | Diagram 4 |
| | 500 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | RK 4T-* | 2 | |
| | 500 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | RK 4T-* | 2 | |
| | 500 | ≤200 | -25 to +75 | IP 68 | TC | LCP | N/A | YE | RK 4T-* | 2 | |
| | 500 | ≤200 | -25 to +75 | IP 68 | TC | LCP | GN | YE | RK 4T-* | 2 | |
| 10-30 VDC | 750 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | 2M/PUR | 3 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | 2M/PVC | 3 | |
| 10-30 VDC | 750 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | 2M/PUR | 4 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | SS | LCP | N/A | YE | 2M/PUR | 4 | |
| | 750 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | 2M/PVC | 4 | |
| 10-30 VDC | 500 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | 2M/PUR | 3 | |
| | 500 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | 2M/PVC | 3 | |
| 10-30 VDC | 500 | ≤200 | 0 to +85 | IP 68, 69K | SS | LCP | N/A | YE | 2M/PUR | 4 | |
| | 500 | ≤200 | -25 to +75 | IP 68 | CPB | LCP | N/A | YE | 2M/PVC | 4 | |

* Length in meters.

Uprox+

3-Wire DC

| | |
|---|---|
| Ripple | ≤10% |
| Differential Travel (Hysteresis) | 3-15% (5% typical) |
| Voltage Drop Across Conducting Sensor | ≤1.8 V |
| | - Si...K08/K10(AP71, AN7) ≤0.7 V |
| | - Bi/Ni../S34 ≤1.8 V |
| | - Bi 2-Q8SE-AP/AN.. . . . ≤2.5 V |
| Trigger Current for Overload Protection | ≥220 mA on 200 mA Load Current |
| | ≥170 mA on 150 mA Load Current |
| | ≥120 mA on 100 mA Load Current |
| Off-State (Leakage) Current | <100 µA |
| No-Load Current | <10 mA (Uprox ≤15 mA) |
| Time Delay Before Availability | ≤8 ms |
| Power-On Effect | Per IEC 947-5-2 |
| Reverse Polarity Protection | Incorporated |
| Wire-Break Protection | Incorporated |
| Transient Protection. | Per EN 60947-5-2 |
| Shock | 30 g, 11 ms |
| Vibration | 55 Hz, 1 mm Amplitude in all 3 Planes |
| Repeatability | ≤2% of Rated Operating Distance |
| | Bi 2-Q8SE-AP/AN.. ≤5% of Rated Operating Distance |

4-Wire DC

| | |
|---|---------------------------------------|
| Ripple | ≤10% |
| Differential Travel (Hysteresis) | 3-15% (5% typical) |
| Voltage Drop Across Conducting Sensor. | ≤1.8 V at 200 mA |
| Trigger Current for Overload Protection | ≥220 mA on 200 mA Load Current |
| | ≥170 mA on 150 mA Load Current |
| | ≥120 mA on 100 mA Load Current |
| Off-State (Leakage) Current | <100 µA |
| No-Load Current | <10 mA (Uprox ≤15 mA) |
| Power-On Effect | Per IEC 947-5-2 |
| Reverse Polarity Protection | Incorporated |
| Wire-Break Protection | Incorporated |
| Transient Protection. | Per EN 60947-5-2 |
| Shock | 30 g, 11 ms |
| Vibration | 55 Hz, 1 mm Amplitude in all 3 Planes |
| Repeatability | ≤2% of Rated Operating Distance |