

WSI-1602-FDBZ-ET



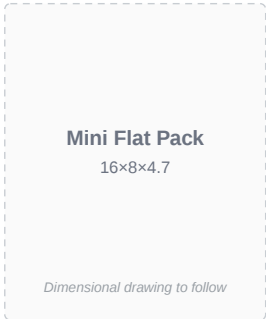
Inductive proximity sensor, rectangular housing

DESIGN FAMILY **HYPERLIFE**

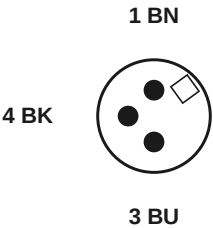
- Extra flat
- M3 bore
- Extended Temperature



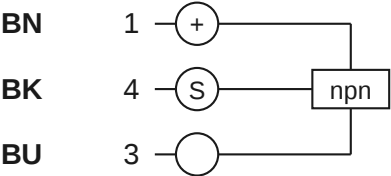
DIMENSIONS



PINOUT



OUTPUT



CERTIFICATIONS



| Technical data                  |                                     |                      |                              |
|---------------------------------|-------------------------------------|----------------------|------------------------------|
| Electrical features             |                                     | Mechanical features  |                              |
| Supply Voltage                  | 10–30 VDC                           | Form Factor          | Mini Flat Pack               |
| No-Load Current                 | ≤15 mA                              | Dimensions (mm)      | 16×8×4.7                     |
| Max Output Current              | ≤100 mA                             | Mounting             | Flush                        |
| Voltage Drop                    | ≤1.8 V                              | Material (body)      | Alloy                        |
| Output Circuit                  | NPN                                 | Material (Face)      | HYPERFACE                    |
| Output Normal State             | N.O.                                | Coating              | ACTIVSTONE                   |
| Switching Frequency             | 1 kHz                               | Coating Type         | Z                            |
| Sensing performance             |                                     | Connection           |                              |
| Rated Sensing Distance (Sn)     | 2 mm                                | Connector Type       | M8 3P                        |
| Correction Factors (Steel=100%) | Steel 100% Stainless St 70%, Al 30% | Connector Material   | FEP over METAL               |
| Factor 1                        | NO                                  | Cable Sheath Inner   | PTFE                         |
| Hysteresis                      | 3–15%                               | Cable Sheath Outer   | FLEXLINC SPRINGLOC STAINLESS |
| Repeat Accuracy                 | ≤2%                                 | Cable Length         | 0.5m                         |
| SENSING TARGETS PRACTICALITY    | Steel Only                          | Cable Exit Direction | Straight                     |
| Environmental                   |                                     | LED on Sensor        | YES                          |
| Operating Temperature           | 0...+85°C                           | LED on Connector     | NO                           |
| Protection Class                | IP67                                | Connector LED Color  | NONE                         |