TECHNICAL DATA SHEET

# KEYENCE

## EZ-18T

PROXIMITY SENSORS




| Specifications | |
|---|---|
| Type | **Shielded** |
| Shape | **20 x 32 x 8 mm 0.79" x 1.26" x 0.31"** |
| Detecting distance | **5 mm 0.20" ±10%** |
| Detectable object | **Ferrous metals (see Characteristics for nonferrous metals)** |
| Standard target (iron, t=1mm 0.04") | **18 x 18 mm 0.71" x 0.71"** |
| Hysteresis | **10% max. of detecting distance** |
| Response frequency | **350 Hz** |
| Operation mode | **N.O./N.C.** |
| Temperature characteristics | **±10% max. of detecting distance at +23°C 73.4°F, within -25 to +70°C -13 to 158°F** |
| Control output | **NPN open collector 100 mA max. (40 V max.), Residual voltage: 1 V max.** |
| Cable length | **2 m 6.6'** |
| Case material | **Aluminium die-cast** |
| Weight | **Approx. 55 g** |

| Rating | |
|---|---|
| Power voltage | **12 to 24 VDC ±10 %, Ripple (P-P) 10 % or less** |

| Environmental resistance | |
|---|---|
| Enclosure rating | **IP67** |
| Ambient temperature | **-25 to +80 °C -13 to 176 °F (No freezing)** |
| Relative humidity | **35 to 95 % RH (No condensation)** |
| Vibration resistance | **10 to 55 Hz, Double amplitude 1.5 mm 0.06", 2 hours in each of the X, Y, and Z directions** |
| Shock resistance | **1,000 m/s 2, 3 times in each of the X, Y, and Z directions** |

**Request this product** https://jaescompany.com/product.php?productid=151860