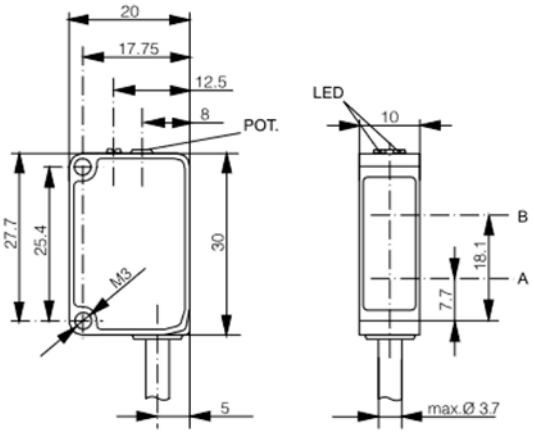
H30-BGS-0300P-2M

H30 Photoelectric Sensor

Background Suppression

Note: The product images shown may change over time as products are updated.

Diagram



A: emitter axis B: receiver axis

Part Number

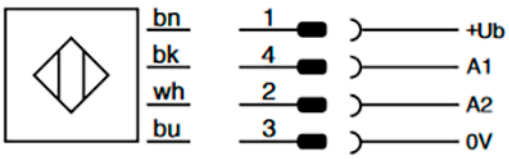
H30-BGS-0300P-2M

Features

Photoelectric sensors are used in virtually any manufacturing process with moving parts to detect products, machine parts, and a wide variety of moving objects.

For additional information, contact HTM Sensors at 800-644-1756 or service@htmsensors.com

Connection



Technical Data

Sensing Range	300 mm (*see Note 3)
Light Source	PinPoint Red LED 640 nm
Light Spot Size	ø 6 mm @ 100 m / ø 10 mm @ 300m
Indicator LEDs	Output:Yellow Excess Gain: Green
IO-Link (*see Note 4)	Yes
Supply Voltage	10-30 V DC
Max. Load Current	<= 100 mA
No Load Current	<=30 mA
Short Circuit Protection	Yes
Reverse Polarity Protection	Yes
Output Type	PNP Complementary
Operation Mode	Light On or Dark on Selectable wiring
Response Time	<= 500us(normal)/<=1ms /<= 340us
Sensitivity Adjustment	3/4-turn pot
Housing Material	ABS
Lens Material	PMMA
IP Rating	IP67
Time Options	Selectable via IO-Link
Ambient Operating Temp	-25 C to + 65 C
Vibration Resistance	IEC 60947-5-7
Shock Resistance	IEC 60947-5-7
Cable or Connector	4 Wire 2 m Cable

Note **1**: By default, “Normal” mode. “Fine” and “Fast” modes selectable via IO-Link
Note **2**: when used with RE-D82
Note **3**: Object with 90% reflectance(standard white paper)
Note **4**:
IO-Link Verion - V1.0
SIO mode - Supported
Process Data - Detection state & stability alarm
Baudrate - COM2(38.4 kBaud)
Special Functions - Ouput Configuration, Output Timing, Sensor Mode, Detection Counter, Event Flags, Maximum and Actual Sensor Temperature

HTM SENSORS 1 YEAR WARRANTY

HTM SENSORS

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