HTM™
SENSORS

Class 2 Type 1
12...30 VDC
35mA max.

BN 1 + 12...30 VDC
BK 4 N.O. OUT
BU 3 0 V
WH 2 NOT USED

C UL US
Made in Hungary M1316
www.htmsensors.com

➢ DURABLE STAINLESS STEEL IP69K PHOTOELECTRIC SENSOR
➢ IP69K FOR WASHDOWN AREAS, AND AROUND CHEMICALS AND OIL
➢ RUGGED HOUSING FOR AUTOMOTIVE APPLICATIONS
➢ HIGH QUALITY CONSTRUCTION AND PERFORMANCE
➢ AVAILABLE IN CLEAR OBJECT AND LASER BGS
➢ AVAILABLE IN BGS, RETROREFLECTIVE AND THRU-BEAM

	DIFFUSE	POLARIZED REFLECTIVE	THRU-BEAM	BACKGROUND SUPPRESSION	LASER BACKGROUND SUPPRESSION
Sensing Distance	300 mm	5 m	25 m	300 mm	200 mm
Setting	Pushbutton Teach	Adjustment Trimmer	Adjustment Trimmer	Adjustment Trimmer	Adjustment Trimmer
Light Emission	Red LED (660nm)	RED LED (660nm)	RED LED (660nm)	RED LED (660nm)	Red Laser: Class 2-EN 60825-1
Power Supply	12-30VDC				
Current Consumption	35 mA	35 mA	15 mA Max. Emitter, 20 mA Max. Receiver	35 mA	35 mA Max.
Max. Current Load	100 mA (overload protection)				
Voltage Drop	< 2V				
Response Time	2 ms	500 µs	500 µs	1 ms	333 microseconds
Switching Frequency	250 Hz	1 kHz	1 kHz		
Housing Material	Stainless Steel / PC Lens				
Mechanical Protection	IP69K				
Operating Temperature	-10 - 55 ºC				
Vibration	0.5 mm amplitude, 10-55 HZ frequency per axis (EN60068-2-6)				
Shock Resistance	11 ms (30 G) 6 shocks per axis (EN60068-2-27)				
Connection	M8 4-pin Quick-Connect				
DC Emitter			H80-TBPS-E25P-M08-4QD		
PNP - Light On/Dark On	H80-CODS-0300P-M08-4QD	H80-PRRS-5000P-M08-4QD	H80-TBPS-R25P-M08-4QD	H80-BGSS-0300P-M08-4QD	H80-LBGS-0200P-M08-4QD
NPN - Light On/Dark On	H80-CODS-0300N-M08-4QD	H80-PRRS-5000N-M08-4QD	H80-TBPS-R25N-M08-4QD	H80-BGSS-0300N-M08-4QD	H80-LBGS-0200P-M08-4QD

HIGH PERFORMANCE PHOTOELECTRIC SENSORS MADE OF STAINLESS STEEL AND CONFORM TO IP69K ARE IDEAL FOR APPLICATIONS WHERE A RUGGED, AND SEALED UNIT IS REQUIRED FOR RELIABLE AND LONG-LASTING SENSING.
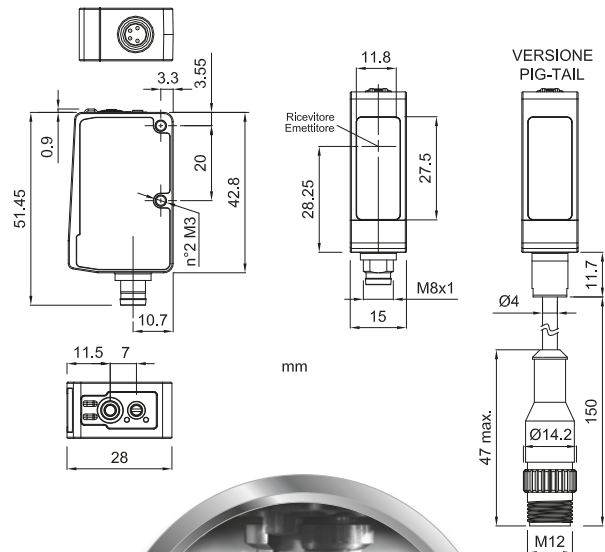
HTM™ SENSORS

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