

IP69K STAINLESS STEEL
PHOTOELECTRIC SENSORS

HTMTM
SENSORS



- 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

IP69K STAINLESS STEEL PHOTOELECTRIC SENSORS SPECIFICATIONS

CLEAR OBJECT DIFFUSE

POLARIZED REFLECTIVE

THRU-BEAM

BACKGROUND SUPPRESSION

LASER BACKGROUND SUPPRESSION



SENSING DISTANCE	300 mm	5 m	25 m	50 - 300 mm	20 - 200 mm
SETTING	Pushbutton Teach	Adjustment Trimmer	Adjustment Trimmer	Adjustment Trimmer	Adjustment Trimmer
LIGHT EMISSION	Red LED (660 nm)	RED LED (660 nm)	RED LED (660 nm)	RED LED (660 nm)	Red Laser: Class 2-EN 60825-1
POWER SUPPLY	12-30 VDC				
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	< 2 V				
RESPONSE TIME	500 μ s	500 μ s	500 μ s	1 ms	333 microseconds
SWITCHING FREQUENCY	1 kHz	1 kHz	1 kHz	500 Hz	5 kHz
HOUSING MATERIAL	Stainless Steel / PC Lens				
MECHANICAL PROTECTION	IP69K				
OPERATING TEMPERATURE	-10 °C - +55 °C				
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-0200N-M08-4QD

NOTE: Specifications subject to change without notification.



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.

