

Photoelectric base modul, Accessories

MPS31HD

- Plug-In base
- Harsh duty
- Modular design
- Exchangeable rotatable head
- Limit switch and mini style plug-in bases
- Screw terminal, preleaded, and connector version receptacles
- Withstands 1200 psi washdown
- IP69K
- DC model

Photoelectric Sensors; MP Series Modular



Technical Data

General specifications		
Marking	CE	
Electrical specifications		
Operating voltage	U_B	10 ... 30 V DC
Operating current	I_B	250 mA max
Output		
Voltage drop	U_d	≤ 1.0 V DC
Current consumption	≤ 25 mA	
Response time	≤ 10 ms	
Output 1		
Output type	DC	
Output 2		
Output type	1 NPN, reverse polarity protected	
Standard conformity		
Standards	EN 60947-5-2	
Approvals and certificates		
Approvals	CE, cULus	
Ambient conditions		
Ambient temperature	-30 ... 70 °C (-22 ... 158 °F)	
Storage temperature	-55 ... 85 °C (-67 ... 185 °F)	
Relative humidity	95% RH (non-condensing)	
Shock resistance	50G	
Vibration resistance	10G, 10 ... 500 Hz	
Mechanical specifications		
Degree of protection	IP69K When all components are properly assembled	
Connection	Dependent on receptacle selected	
Material		
Housing	Glass-filled Polysulfone	
Dimensions		
Height	85.9 mm	
Width	39.6 mm	
Depth	52.3 mm	

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Additional Information

NOTE: Total response time is the sum of the sensor head and base response times.