

# Retroreflective sensor

## MPL6HD

- Harsh duty
- Withstands 1200 psi washdown
- Sensing range 9 m

Photoelectric Sensors; MP Series Modular

### Technical Data

#### General specifications

|                     |          |
|---------------------|----------|
| Sensing range       | 9 meters |
| Light source        | Infrared |
| Light type          | infrared |
| Polarization filter | no       |
| Marking             | CE       |

#### Indicators/operating means

|                    |                    |
|--------------------|--------------------|
| Function indicator | 2 LEDs             |
| Control elements   | light on / dark on |

#### Output

|               |        |
|---------------|--------|
| Response time | ≤ 1 ms |
|---------------|--------|

#### Output 1

|             |                            |
|-------------|----------------------------|
| Output type | dependent on base selected |
|-------------|----------------------------|

#### 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                        |
| Material             |                              |
| Housing              | Polycarbonate                |
| Optical face         | plastic lens                 |
| Sheathing            | Glass-filled acetal, Type 20 |
| Dimensions           |                              |
| Height               | 43.2 mm                      |
| Width                | 39.6 mm                      |
| Depth                | 52.3 mm                      |

Release date: 2024-07-10 Date of issue: 2024-07-10 Filename: 454425\_eng.pdf