

OPTO-SENSORS

Diffuse reflective photo sensors



Series UR

M12x1 Metal thread

M18x1 Plastic thread

DC 10...36 V PNP

AC 20...260 V



| Design | Diffuse reflective photo sensors M12x1 | Diffuse reflective photo sensors M18x1 | Diffuse reflective photo sensors M18x1 |
|--|--|--|--|
| Dimensions | | | |
| Sensing range [mm] | 30...200 (adjustable) | 150 | 50...200 (adjustable) |
| Switching output | | | |
| ID-No. | P51015 | P51014 | P51008 |
| Type | UR 120 GSP | UR 180 WS | UR 180 GSOP |
| Supply voltage [V] | 10...36 VDC | 20...260 VAC | 10...36 VDC |
| Switching current (25 °C) [mA] | < 200 | < 300 | < 200 |
| Sensitivity adjustable | • | – | • |
| Light on | • | • | • |
| Dark on | – | – | • |
| Short circuit proof | • | • | • |
| Voltage drop max. [V] | 1,5 | 3,5 | 1,8 |
| Current consumption max. (not actuated) [mA] | 15 | 10 | 15 |
| Switching frequency max. [Hz] | 100 | 25 | 250 |
| Ambient temperature [°C] | 0...+70 | 0...+70 | 0...+70 |
| EMV-class | A | A | A |
| Protection [EN 60529] | IP 67 | IP 67 | IP 67 |
| LED-display | • | • | • |
| Housing material | Br-Ni | PA 6 | PA 6 |
| Connection | 2 m PVC 3x0.14 mm ² | 2 m PVC 3x0.5 mm ² | 2 m PVC 4x0.25 mm ² |
| Connection scheme | | | |
| Accessories (see section 10) | Fixing screws are included in the delivery | | |

Code: BK = black BN = brown BU = blue GN = green YE = yellow GY = grey PK = pink WH = white