

Diffuse reflective photo sensors

Series UR

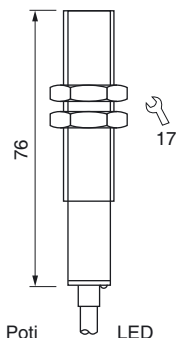
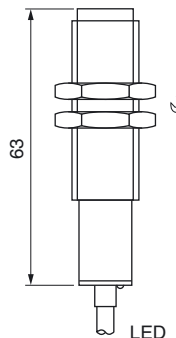
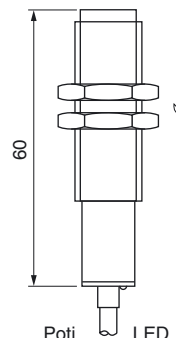



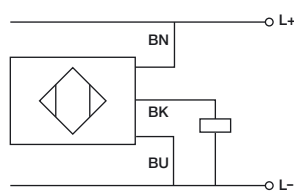
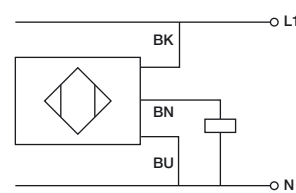
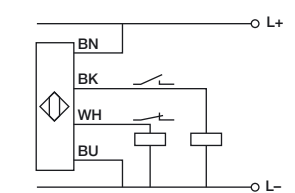
M12x1 Metal thread

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 DC	20...260 AC	10...36 DC
Switching current [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
EMC-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 diagram			
Accessories (see section 10)		fixing screws are part of delivery	

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