



# Retro Ref. Photoelectric Sensors



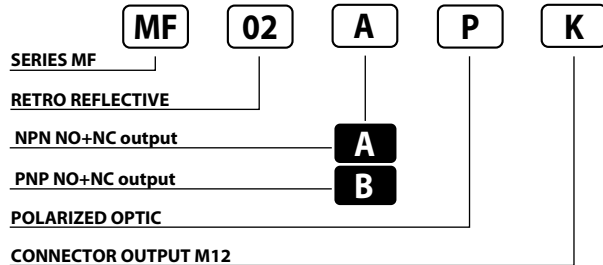
PHOTOELECTRIC SENSORS IN METAL HOUSING 12 ÷ 30 V DC NPN/PNP OUTPUT

- Programmable output, NPN/PNP, NC + NO
- Simple one-turn sensitivity
- Cable or M12 quick connect models
- Fast response time: 2 mS / 500 Hz
- Long working distances

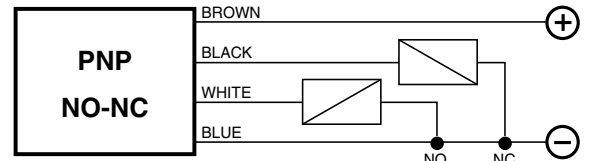
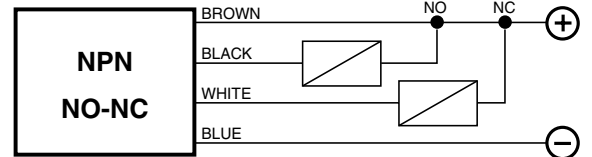
## MF Series



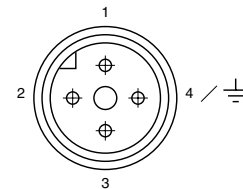
### Identification code



### Wiring diagrams



### Connection with connector M12 (K)

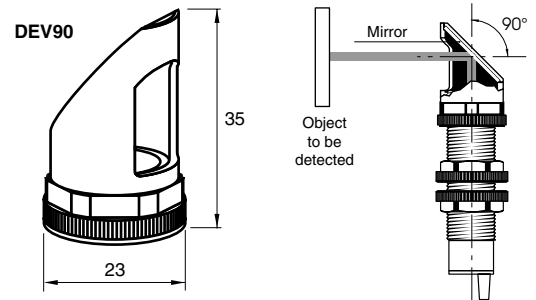


View of quadripole male connector.

### CONTACTS CONFIGURATION

Output (NO or NC)	Contacts numbers			
	1	2	3	4
	+	NC	-	NO

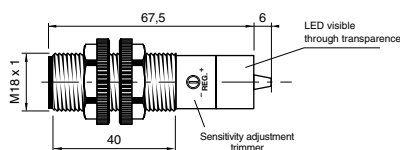
### Accessories



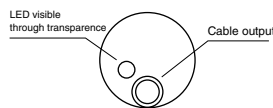
(1) Determined with CT04S reflector.  
 (2) Determined with halogen tungsten lamp 3000° K.  
 Note: for a proper use see norms at pages 7, 8, 9 and 10.

### Dimensions (mm)

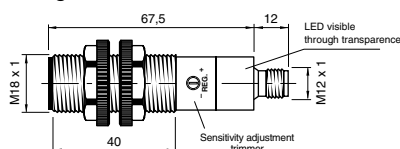
#### Configuration with cable



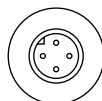
#### Configuration with cable - Back view



#### Configuration with connector K



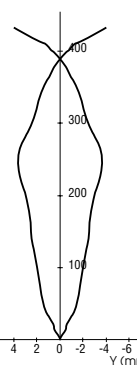
#### Configuration with connector K Back view



Note: the trimmer just needs one turn.

### Characteristic curves

RETRO REFLECTIVE  
Distance X (cm)



POLARIZED RETRO REFLECTIVE  
Distance X (cm)

