

PHOTOELECTRIC SENSORS

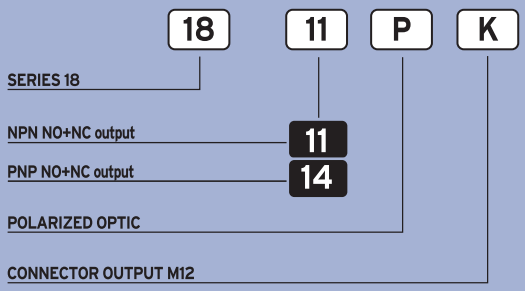
RETRO REFLECTIVE

12÷30 V DC - NPN OR PNP OUTPUT

- 18mm tubolar in metal housing
- Operation LED visible laterally and at the back
- Cable or M12 quick connect models
- Long working distances
- Fast response time: 1 ms/500 Hz

18 Series

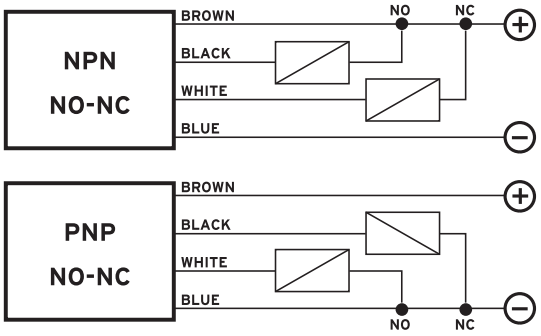
IDENTIFICATION CODE



AVAILABLE	POLARIZED	STANDARD
NOMINAL SWITCHING DISTANCE (Sn)	**2 m** (1)	**6 m** (1)
TOLERANCE	+10/-10 %Sn	
HYSTERESIS	10%	
EMISSION	Red (660 ηm)	Infrared (875 nm)
NOMINAL VOLTAGE	12 ÷ 30VDC (-15 /+10%)	
RESIDUAL RIPPLE	10%	
MAX. OUTPUT CURRENT	200 mA	
ABSORPTION AT 30 VDC	40 mA	
VOLTAGE DROP (Sensor ON)	1.5V (I = 200 mA)	
OPERATION LED	Yellow	
SWITCHING FREQUENCY	500 Hz	
RESPONSE TIME	1 ms	
START UP DELAY	200 ms	
SHORT CIRCUIT PROTECTION	Present (self-resetting)	
ELECTRIC PROTECTIONS	Againts polarity reversal - inductive loads	
TEMPERATURE LIMITS	-10 ÷ +60 °C	
LIGHT IMMUNITY	10.000 Lux (2)	
PROTECTION DEGREE	IP 67	
CABLE LENGTH	2 m	
CABLE SECTION	3 x 0.25 mm²	
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT - cable output - (connector output)	- 110 g - (55 g)	

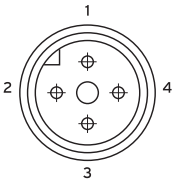
(1) Determined with CT04S reflector.
(2) Determined with halogen tungsten lamp 3000 °K.
Note: for a proper use see norms at pages 18, 19, 20, 21 and 22.

WIRING DIAGRAMS



CONNECTION WITH CONNECTOR M12 (K)

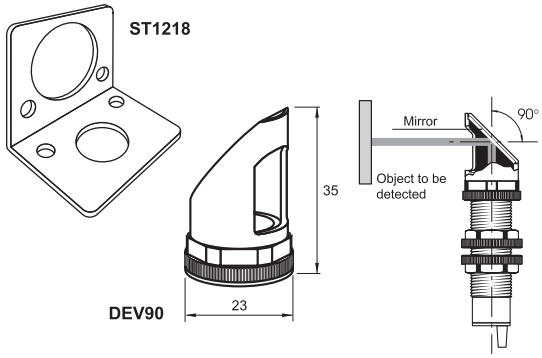
View of quadripole male connector.



CONTACTS CONFIGURATION

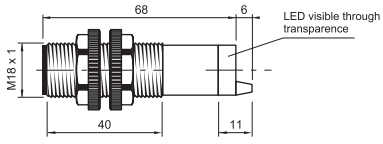
Available	Contacts numbers			
	1	2	3	4
(NO + NC)	+	NC	-	NO

ACCESSORIES

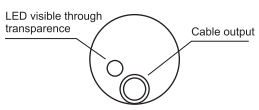


DIMENSIONS (mm)

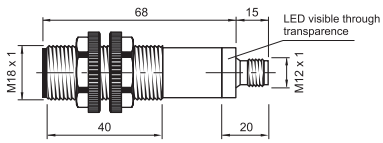
Configuration with cable



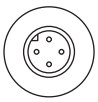
Configuration with cable - Back view



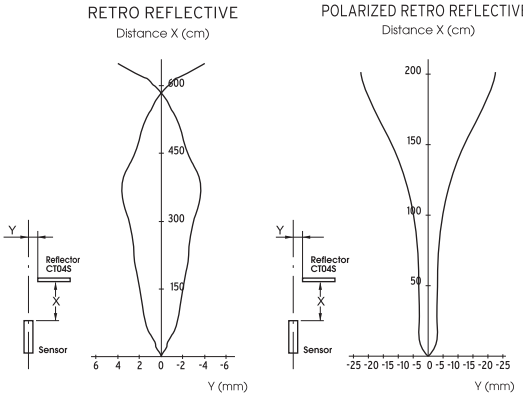
Configuration with connector K



Configuration with connector K Back view



CHARACTERISTIC CURVES



PHOTOELECTRIC

For the latest updated specifications see our web site: **www.infrainternational.com**

Copyright © 2000 Infra Srl. All rights reserved.