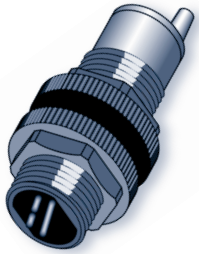


Thru Beam Photoelectric Sensors

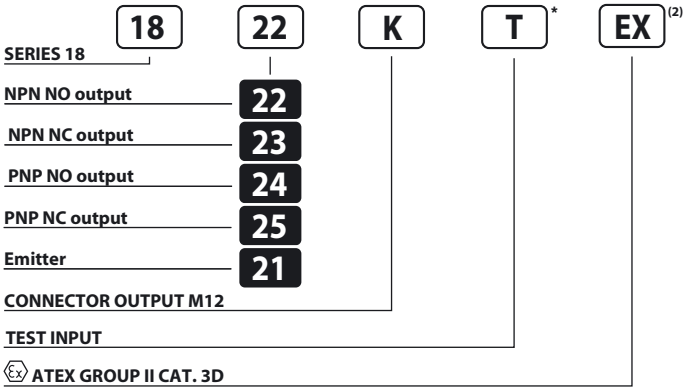
INFRA ELECTRONIC SENSORS

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

- ***Miniature 18 mm tubular***
- ***Operation LED aids installation***
- ***Cable or M12 quick connect models***
- ***Emitter with test input***

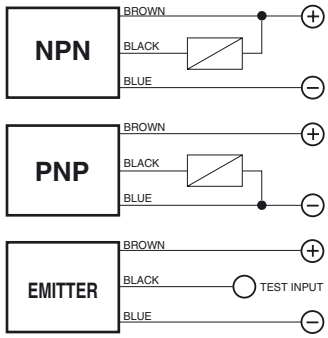
18 Series

Identification code



* Option valid only for code 1821

Wiring diagrams



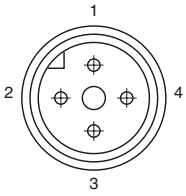
AVAILABLE	RECEVEIR	EMITTER
NOMINAL SWITCHING DISTANCE (Sn)	**25 m**	
TOLERANCE	+10/-10 %Sn	
HYSTERESIS	10%	
EMISSION	-	Infrared (875 ηm)
NOMINAL VOLTAGE	12 ÷ 30VDC (-15 /+10%)	
RESIDUAL RIPPLE	≤ 10%	
MAX. OUTPUT CURRENT	200 mA	-
ABSORPTION AT 30 VDC	15 mA	
VOLTAGE DROP (Sensor ON)	≤ 1.5V (I = 200 mA)	-
OPERATION LED	Yellow	
SWITCHING FREQUENCY	200 Hz	
RESPONSE TIME	5 mS	
START UP DELAY	100 mS	
SHORT CIRCUIT PROTECTION	Present (self-resetting)	
ELECTRIC PROTECTIONS	Againts polarity reversal - inductive loads	
TEMPERATURE LIMITS	-10 ÷ +60 °C	
LIGHT IMMUNITY	> 10000 Lux (1)	
PROTECTION DEGREE	IP 67 (IP 65 for models with sensitivity adjustment)	
CABLE LENGTH	2 m	
CABLE SECTION	3 x 0.25 mm²	3/2 x 0.25 mm²
HOUSING MATERIAL	Housing: nickel plated brass - Lenses: methacrylate	
WEIGHT - cable output - (connector output)	- 110 g - (55 g)	

(1) Determined with halogen tungsten lamp 3000° K.
(2) Device marking Ex II 3D IP67 T6X.

Note: for a proper use see norms at pages 14, 15, 16, 17 and 18.

Connection with connector M12 (K)

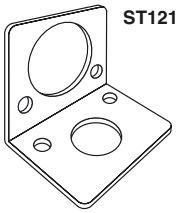
View of quadripole male connector.



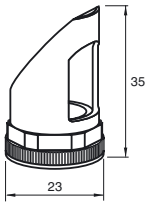
CONTACTS CONFIGURATION

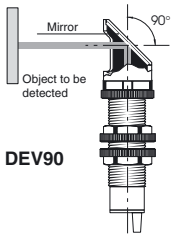
Available	Contacts numbers			
	1	2	3	4
(NO o NC)	+		-	NO/NC
Emitter	+		-	TEST

Accessories

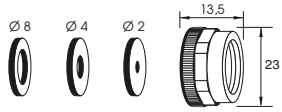


ST1218





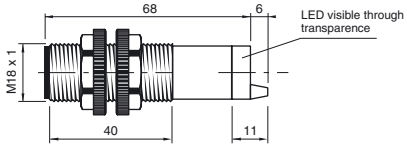
DEV90



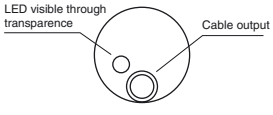
P18OTT

Dimensions (mm)

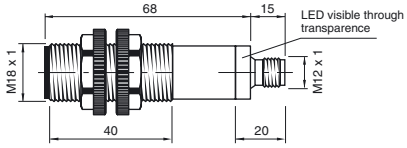
Configuration with cable



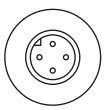
Configuration with cable - Back view



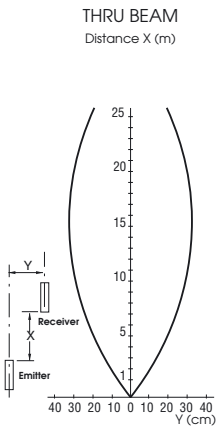
Configuration with connector K



Configuration with connector K Back view



Characteristic curves



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