

	SHIELDED	NOT SHIELDED	
NOMINAL SWITCHING DISTANCE (Sn)	1÷15 mm	1÷25 mm	
NOMINAL VOLTAGE	12 ÷ 30 VDC (-15/+10%)		
RESIDUAL RIPPLE	≤ 10%		
HYSTERESIS	Depending on the sensing distance		
MAX. CURRENT OUTPUT	200 mA		
ABSORPTION AT 24 VDC	≤ 20 mA		
VOLTAGE DROP (Sensor ON)	≤ 1.8 V (I = 100 mA)		
OPERATION LED	Yellow		
SENSITIVITY ADJUSTMENT	Trimmer 9 turns		
SWITCHING FREQUENCY	10 Hz		
START UP DELAY	≤ 100 mS		
REPEATABILITY (at even temperature)	≤ 5%		
SHORT CIRCUIT PROTECTION	Present		
ELECTRIC PROTECTIONS	Against polarity reversal - inductive loads		
TEMPERATURE LIMITS	- 25 ÷ +70 °C		
PROTECTION DEGREE	IP 67		
CABLE LENGTH	2 m		
CABLE SECTION	4 x 0.25 mm ²		
HOUSING MATERIAL	Nickel-plated brass		
WEIGHT - cable output -	250 g		
WEIGHT - K2 connector output -	210 g		
(1) Device marking (2) II 2D IB67 T6V			



View of quadripole male connector

CONTACTS CONFIGURATION

Output	Contacts numbers			
	1	2	3	4
NPN/PNP NO+NC	+	NC	-	NO

Sensitivity adjustment

The sensitivity adjustment must be done when the sensor is installed in a definite and steady position.

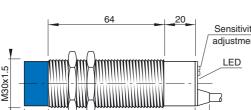
The regulation must be done in a position half way between minimum and maximum, because, being air dielectric, a strong humidity variation could cause, if the regulation is very light, nuisance tripping.

The sensing distance of the sensor depends on the kind of material to detect and on its dimensions (see table about reduction factors).

The distance could change according to temperature variations. To increase the sensitivity twist the trimmer clock-wise, to decrease do it anti clock-wise.

⁽¹⁾ Device marking II 3D IP67 T6X.

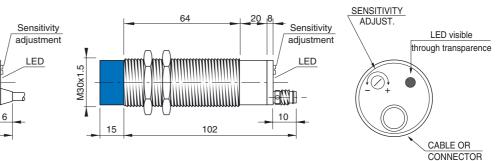
Dimensions (mm)



CONFIGURATION WITH CABLE

CONFIGURATION WITH M8 (K2) CONNECTOR

Ø 30 BACK VIEW



Note: the front part in blue refers to not shielded models

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