



Inductive Sensors Ø 8

INDUCTIVE SENSORS CONFORMING TO NAMUR RULES

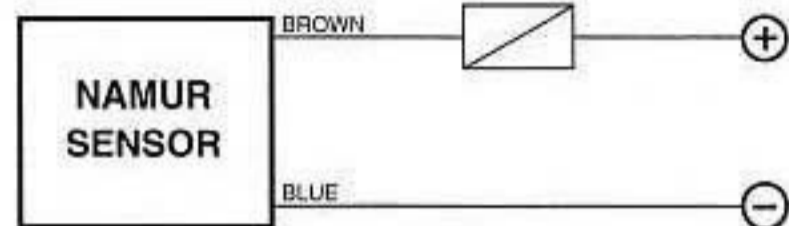
- *Two-wire sensors* AVAILABLE NORMALLY CLOSED ONLY
- *5-24 VDC input*
- *Shielded versions up to 1 mm*
- *Not shielded versions up to 2 mm*
- *Cable or M8 and M12 quick connect models*

IS Series



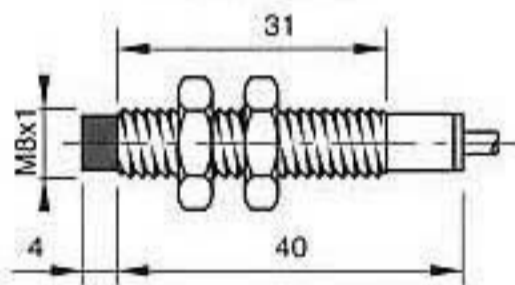
	SHIELDED	NOT SHIELDED
NOMINAL SWITCHING DISTANCE (S _n)	1 mm	2 mm
NOMINAL VOLTAGE (Load resistance 1 K)	7.7 + 9 V DC	
DC SUPPLY VOLTAGE	5 + 24 V DC	
RESIDUAL RIPPLE	≤ 10%	
HYSTERESIS	≤ 10%	
OUTPUT CURRENT (Metal present)	≤ 1 mA	
OUTPUT CURRENT (Metal absent)	≤ 3 mA	
SWITCHING FREQUENCY	2000 Hz	
REPEATABILITY	≤ 3%	
TEMPERATURE LIMITS	-25 + +60 °C	
PROTECTION DEGREE	IP 67	
CABLE LENGTH	2 m	
CABLE SECTION	2 x 0.25 mm ²	
HOUSING MATERIAL	Nickel-plated brass	
WEIGHT - Cable output -	80 g	
WEIGHT - K1 connector output -	35 g	
WEIGHT - K connector output -	55 g	

Wiring diagrams

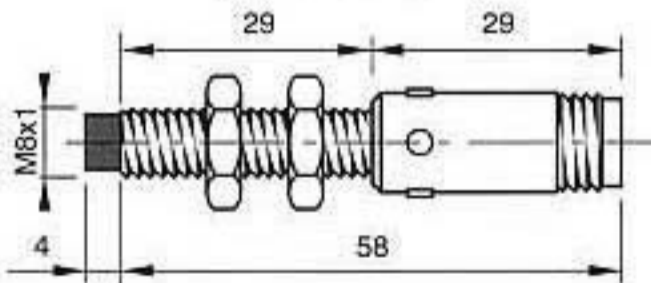


Dimensions (mm)

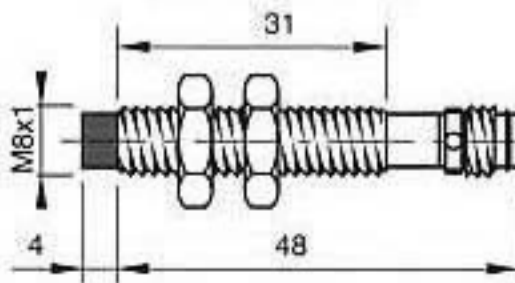
CONFIGURATION WITH CABLE
(BODY - PRT)



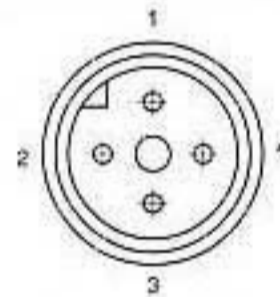
CONFIGURATION WITH 12MM CONNECTOR
(BODY - PRCMT)



CONFIGURATION WITH 8MM CONNECTOR
(BODY - PRCPT)



Connection with connector M12 (K)

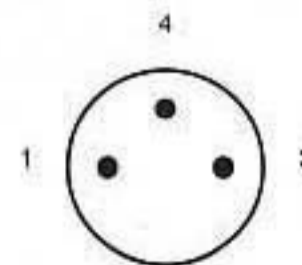


View of
quadrupole
male
connector

CONTACTS CONFIGURATION

Available	Contacts numbers			
	1	2	3	4
NAMUR	+		-	

Connection with connector M8 (K1)



View of
tripole
male
connector

CONTACTS CONFIGURATION

Available	Contacts numbers		
	1	3	4
NAMUR	+	-	