



# Amplified Inductive Sensors 05

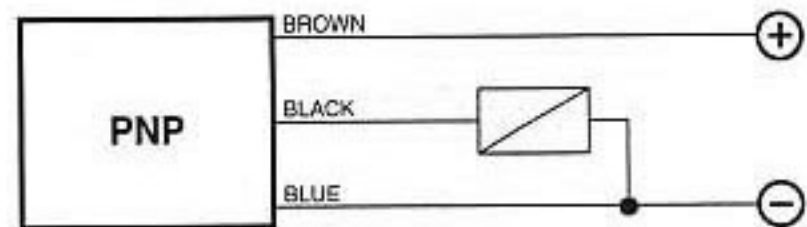
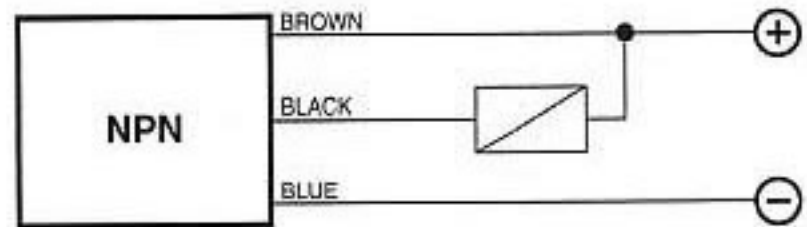
AMPLIFIED INDUCTIVE SENSORS 10÷30 V DC 3 WIRES NPN OR PNP OUTPUT

- Three-wire, amplified, shielded sensors
- 10 to 30 VDC, NPN or PNP
- NO select
- Cable or M8 quick connect models

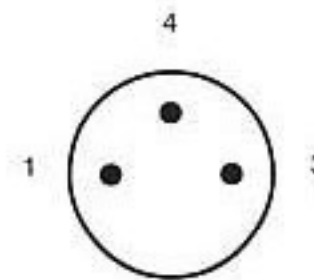
IS Series



## Wiring diagrams



## Connection with connector M8 (K1)



View of tripole male connector

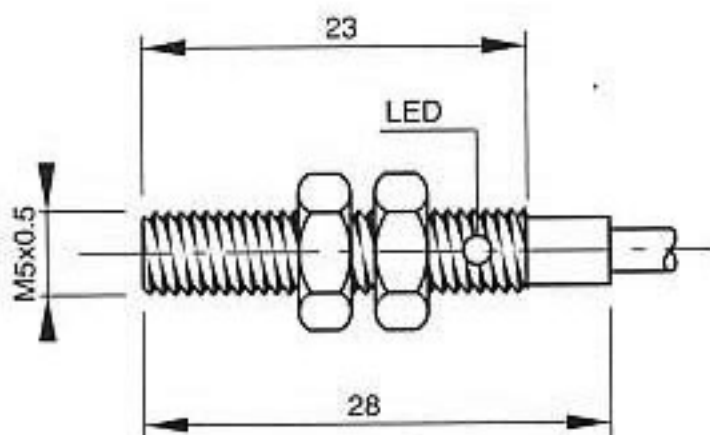
## CONTACTS CONFIGURATION

Available	Contacts numbers		
	1 BROWN	3 BLUE	4 BLACK
NPN/PNP	+	-	NO/NC

	SHIELDED
NOMINAL SWITCHING DISTANCE (S <sub>n</sub> )	0,8 mm
NOMINAL VOLTAGE	10 + 30 VDC (-15 / +10%)
RESIDUAL RIPPLE	≤ 10%
HYSTERESIS	< 10%
MAX. OUTPUT CURRENT	100 mA
RESIDUAL CURRENT	≤ 10 mA
VOLTAGE DROP (Sensor ON)	< 1 V (I = 100 mA)
OPERATION LED	Present
SWITCHING FREQUENCY	800 Hz
START UP DELAY	≤ 50 mS
REPEATABILITY	≤ 1%
SHORT CIRCUIT PROTECTION	Present (self-resetting)
ELECTRIC PROTECTIONS	Against polarity reversal - inductive loads
TEMPERATURE LIMITS	- 25 + +60 °C
PROTECTION DEGREE	IP 67
CABLE LENGTH	2 m
CABLE SECTION	3 x 0,14 mm <sup>2</sup>
HOUSING MATERIAL	Stainless-steel
WEIGHT - Cable output -	50 g
WEIGHT - K connector output -	40 g

## Dimensions (mm)

CONFIGURATION WITH CABLE (BODY - PR)



CONFIGURATION WITH 8MM CONNECTOR (BODY - PRCP)

