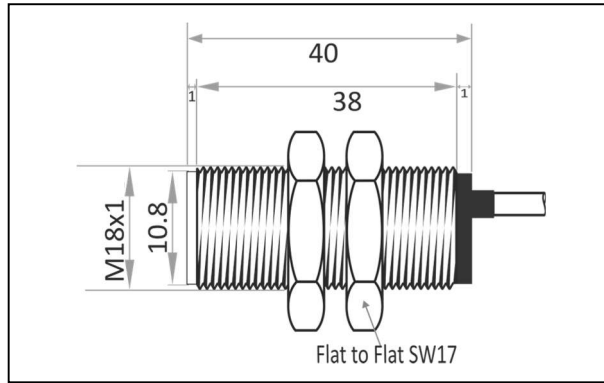
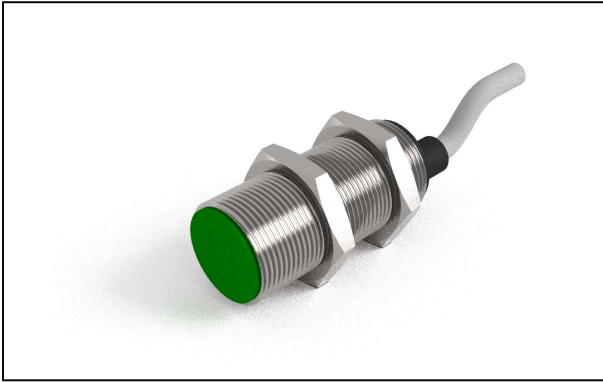


Inductive Proximity Sensors - NAMUR

M18 | 5mm | Namur

Ordering Code: D20C-1805-NA



ACCENT CONTROLS

Technical Specifications

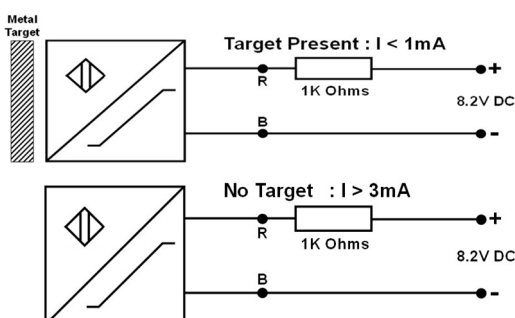
Cylindrical Metal Housing Diameter/Pitch (mm)	M18 / 1
Installation	Flush
Rated Operating Distance (Sn)	5 mm
Actual Sensing Distance (Sa)	4 mm
Minimum Target size (min)	18 x 18 x 1 mm
Repeat Accuracy	≤ 10% mm
Hysteresis	≤ 15% of Sn
Operating Voltage	7.7 - 9V DC
Nominal Voltage	8.2V DC
Residual Ripple (at operating Voltage)	≤ 10 %
Output Circuit Type	Namur
Output Current (undamped/No Target)	> 3mA
Output Current (damped/Target present)	< 1mA
Effective Resistance in Control Circuit	500 -1100 ohms
Switching Frequency	2000 Hz
Self-capacitance of sensor	< 30 nf
Correction factor - Brass / Al / Cu	0.5 / 0.4 / 0.4
Operating Temperature Range	-10°C to 85°C
Temperature Drift	≤ 10% of Sn
Environmental Protection	IP67
Dielectric strength	1000VAC @ 50Hz – 1 min
Vibration resistance	10Hz – 55Hz, 1mm in X, Y & Z axis for 30 mins each
Shock resistance	30g for 1ms in X, Y & Z axis for 6 mins each
Housing Material	Nickel Plated Brass
Standard Compliance	IS 5780-1980 NAMUR DIN 19234

Optional Accessories: Namur Control Unit

Electrical Connections

Termination

2 meter Prewired 2-Core PVC Cable (2 x 0.22mm²)



**Certified by CMRI (Dhanbad) for
Intrinsically Safe area application
as per Indian Standard IS 5780-1980
Gr. I, IIA, IIB & IIC equivalent to
DIN 19234 / EN 50020**