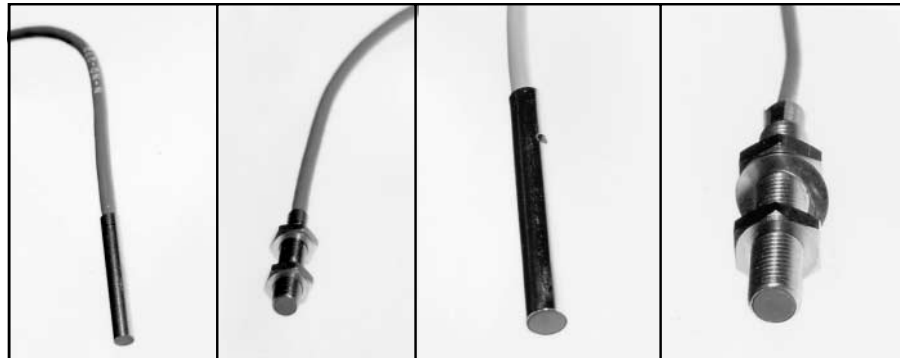




Series 300/301

Tubular Inductive Proximity Sensors
4mm, 5mm, 6.5mm, 8mm



SIZE	4mm	5mm	6.5mm	8mm
TYPE	3 Wire DC	3 Wire DC	3 Wire DC	3 Wire DC
Shielding S - Shielded N - Non-Shielded	S	S	S N	S N
Maximum Sensing Distance (Sn)mm	0.8		1.5 2	1.5 2
DC Supply Voltage (Residual Ripple <10%)	6-35VDC		10-30VDC	10-30VDC
Maximum Output Current mA	150		200	200
No Load Current at 24VDC mA	<10		<15	<15
Voltage Drop (ON State)	<1.4VDC		<1.8VDC	<1.8VDC
Outputs	NPN-N.O. or N.C. PNP-N.O. or N.C.	NPN-N.O. or N.C. PNP-N.O. or N.C.	NPN-N.O. or N.C. PNP-N.O. or N.C.	NPN-N.O. or N.C. NPN-N.O. or N.C.
Housing Material	Stainless Steel		Stainless Steel	Nickel Brass or Stainless Steel

SPECIFICATIONS

SWITCHING POINT HYSTERESIS

<10% of Max. Sensing Distance

SWITCHING FREQUENCY

2000 Hz.

REPEATABILITY

<0.01mm

SHORT CIRCUIT PROTECTION

Yes

REVERSE POLARITY PROTECTION

Yes

LED INDICATOR

Yes

OPERATING TEMPERATURE

-25°C + 70°C

STANDARD TERMINATION

2 Meter Cable or Connector (6.5 & 8mm only)

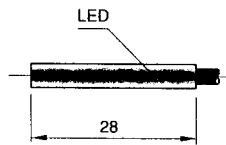
DEGREE OF PROTECTION

NEMA 1, 4, 6, 12, 13 (IP67)

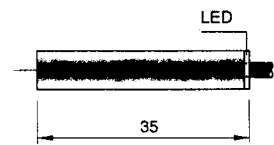
APPROVALS

CE

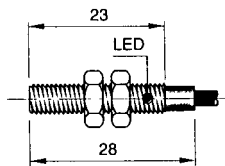
DIMENSIONS



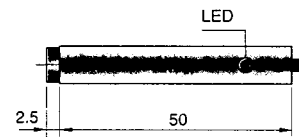
(4mm) 300-0410-XX



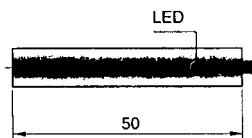
(6.5mm) 300-0710-XX



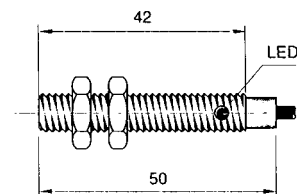
(5mm) 300-0510-XX



(6.5mm) 301-0610-XX



(6.5mm) 300-0610-XX

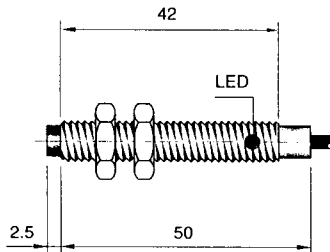


(8mm) 300-0810-XX, 300-1010-XX

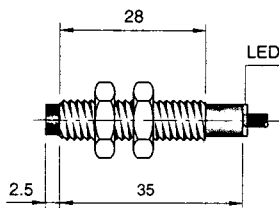
ORDERING INFORMATION

□ □ □	- 3 -	□ □	□ □	□ □	□ □	□
TYPE Shielded 300 Non-Shielded 301						EXTENDED* SENSING RANGE1 EXTENDED RANGES 6.5mm=2mm 8mm=2mm
HOUSING 4mm Stainless Steel Unthreaded..... 04 5mm Stainless Steel..... 05 6.5mm Stainless Steel Unthreaded 06 6.5mm Stainless Steel, Short Barrel Unthreaded..... 07 8mm Nickel Brass..... 08 8mm Nickel Brass, Short Barrel 09 8mm Stainless Steel..... 10 8mm Stainless Steel, Short Barrel..... 11				OUTPUT DC, 3 Wire, NPN, NO 21 DC, 3 Wire, NPN, NC 22 DC, 3 Wire, PNP, NO 24 DC, 3 Wire, PNP, NC 25		
				TERMINATION 2 Meter Cable 10 K Connector 30 H (Micro) Connector* 40 H1 Connector 50		

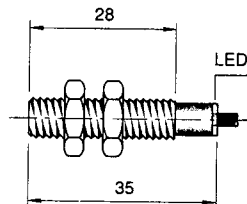
(8mm) 301-0810-XX, 301-1010-XX



(8mm) 301-0910-XX, 301-1110-XX



(8mm) 300-0910-XX, 300-1110-XX



*For information regarding connector cord sets that are compatible with H (Micro) connector sensors refer to Page xx of this catalog.

*** Availability Guide For Short Barrel Housing, Extended Sensing Ranges and Connectors**

	Shielded	Non-Shielded
Standard Length Sensor With H1 Connector	6.5mm 8mm	6.5mm 8mm
Standard Length Sensor With H (Micro) Connector	8mm	8mm
Short Barrel Housing With H (Micro) Connector	8mm	8mm
Short Barrel Housing With H (Micro) Connector & Extended Sensing Range	8mm	
Short Barrel Housing With 2 Meter Cable & Extended Sensing Range	6.5mm 8mm	
Short Barrel Housing With 2 Meter Cable	6.5mm 8mm	6.5mm 8mm
Short Barrel Housing With H1 Connector	6.5mm 8mm	6.5mm 8mm
Short Barrel Housing With H1 Connector And Extended Sensing Range	6.5mm 8mm	
With Standard Length Housing W/K Connector	8mm	8mm
NOTE: Extended Sensing Range Is Not Available In Standard Length Housing Sensors.		