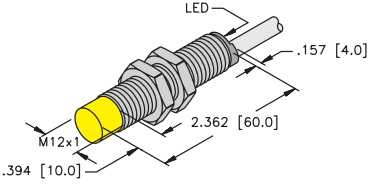
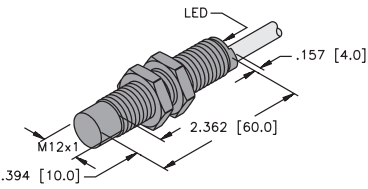
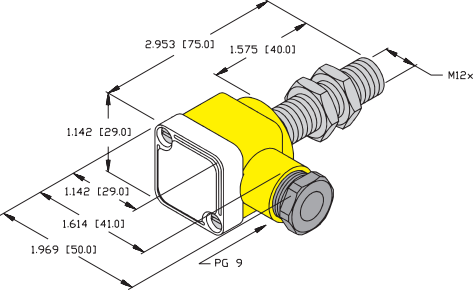
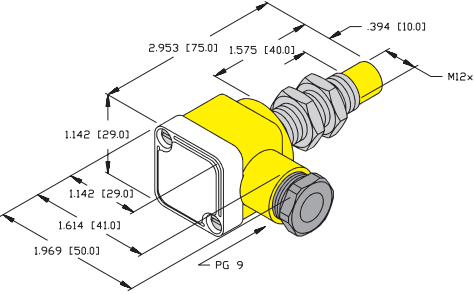


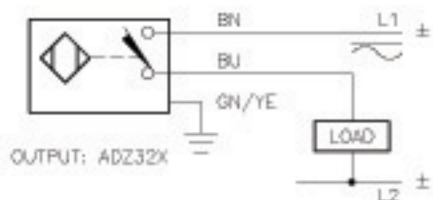
Inductive Sensors



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
12 mm - Nonembeddable, Potted-In Cable 	Ni 4-G12-AZ33X	T1304202		4	2-Wire AC/DC
	Ni 4-G12-ADZ32X	T4205200		4	
	Ni 8-G12-ADZ32X	T4205400	<i>Extended Range</i>	8	
12 mm - Nonembeddable, Potted-In Cable, Teflon Coated 	Ni 4-GT12-ADZ32X/S34	T4205210	<i>Weld-field Immune</i>	4	2-Wire AC/DC
	Ni 4-GT12-AZ33X/S34	T1304294	<i>Weld-field Immune</i>	4	2-Wire AC/DC
12 mm - Embeddable, Terminal Chamber 	Bi 2-G12SK-AN6X2	T4636500		2	3-Wire DC NPN
	Bi 3U-EG12SK-AN6X	M1634420	<i>Uprox</i>	3	
	Bi 2-G12SK-AP6X2	T4636400		2	3-Wire DC PNP
	Bi 3U-EG12SK-AP6X	M1634400	<i>Uprox</i>	3	
12 mm - Nonembeddable, Terminal Chamber 	Ni 5-G12SK-AN6X2	T4636700		5	3-Wire DC NPN
	Ni 8U-EG12SK-AN6X	M1644420	<i>Uprox</i>	8	
	Ni 5-G12SK-AP6X2	T4636600		5	3-Wire DC PNP
	Ni 8U-EG12SK-AP6X	M1644400	<i>Uprox</i>	8	

Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Cable Length/ Cable Mat.	Wiring Diagram #	Wiring Diagrams
35-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	<p>Diagram 1</p> <p>Diagram 2</p> <p>Diagram 3</p>
	20	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
	20	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	TC	TC	EPTR	N/A	YE	2M/PVC	1	
	20	≤100	-25 to +70	IP 67	TC	TC	EPTR	N/A	YE	2M/PVC	1	
35-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	TC	TC	EPTR	N/A	YE	2M/PVC	1	
	20	≤100	-25 to +70	IP 67	TC	TC	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	2000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	GN	YE	- - - -	2	
	3000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	N/A	YE	- - - -	2	
10-30 VDC	2000	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	GN	YE	- - - -	3	
	3000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	N/A	YE	- - - -	3	
10-30 VDC	1500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	GN	YE	- - - -	2	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	N/A	YE	- - - -	2	
10-30 VDC	1500	≤200	-25 to +70	IP 67	CPB	PA 12	N/A	GN	YE	- - - -	3	
	2000	≤200	-30 to +85	IP 68	SS	PA 12	N/A	N/A	YE	- - - -	3	

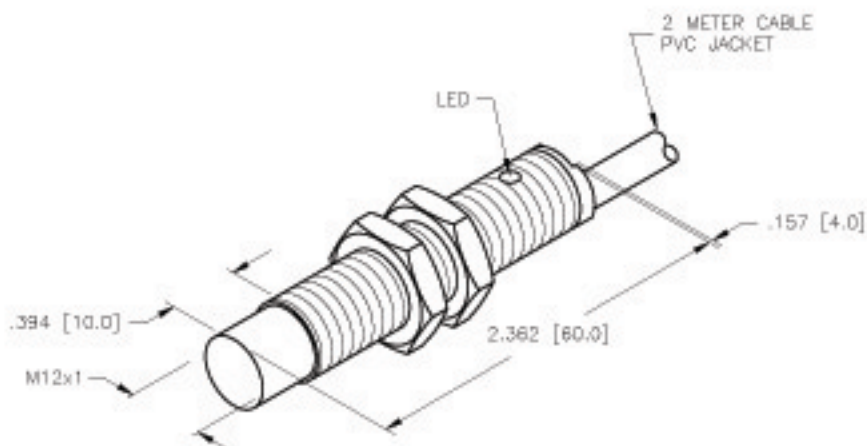
WIRING DIAGRAM



SHORT-CIRCUIT AND OVERLOAD PROTECTED

SPECIFICATIONS

OPERATING VOLTAGE	20-250 VAC, 10-300 VDC
LINE FREQUENCY	40-60 Hz
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 6.0 V at 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE AC/DC
SHORT-CIRCUIT PROTECTED	YES
CONTINUOUS LOAD CURRENT	≤ 100 mA
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
OFF-STATE (LEAKAGE) CURRENT	≤ 1.7 mA
MINIMUM LOAD CURRENT	≥ 3.0 mA
INRUSH CURRENT	≤ 1.0 A (≤ 30 ms, 15% DUTY CYCLE)
TIME DELAY BEFORE AVAILABILITY	≤ 60 ms
POWER-ON EFFECT	Per IEC 947-5-2
TRANSIENT PROTECTION	Per EN 60947-5-2
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP 67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	RED: OUTPUT ENERGIZED RED FLASHING: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	8 mm = .315" (NOMINAL)
SWITCHING FREQUENCY	60 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	NO
TEMPERATURE DRIFT	← -15/+10%
LOCKNUT M12x1	17 mm AF, 19.5 mm AC, 4 mm THK



SOURCE DRAWING - FOR REFERENCE ONLY

NOTE:

- MATERIALS:
 BARREL - CHROME PLATED BRASS
 LOCKNUTS - CHROME PLATED BRASS
 SENSING FACE - PA12-G30 PLASTIC
 END CAP - TPE-O ELASTOMER
- ALL DIMENSIONAL TOLERANCES ±1.0mm.

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION	THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		 High Technology Sensors and Automation Controls	
	TOLERANCES UNLESS OTHERWISE SPECIFIED	DRY IK	DATE 03/12/01		
MATERIAL SEE NOTE	.X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1°	USDR	SCALE NONE	IDENTIFICATION NO. T4205400	
FINISH SEE NOTE	ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY	UNIT OF MEASUREMENT INCH [MILLIMETER]		REV A	
A DRAWING RELEASE CBM 03/29/01		DO NOT SCALE THIS DRAWING		FILE: T4205400	SHEET 1 OF 1
REV DESCRIPTION	BY DATE EDD NO.				