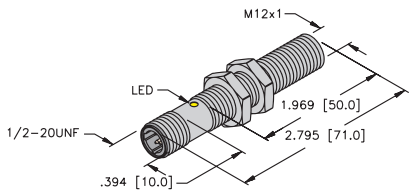
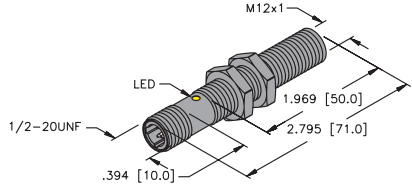
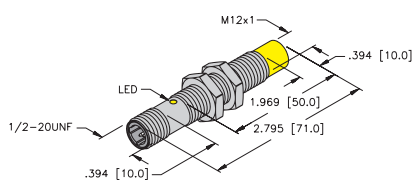
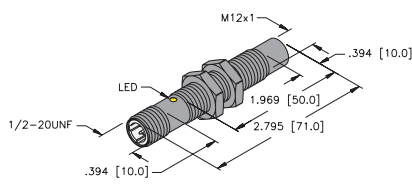
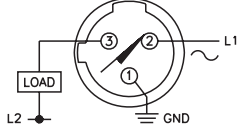


Inductive Sensors

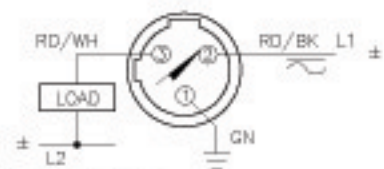


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output	
12 mm - Embeddable, <i>microfast</i>® Connection 	Bi 2-G12-ADZ32X-B3131	T4205001		2	2-Wire AC/DC Short-circuit Protected	
	Bi 2U-G12-ADZ32X-B3131	M4281005	<i>Uprox</i>	2		
	Bi 4-G12-ADZ32X-B3131	T4205031	<i>Ext. Range</i>	4		
		Bi 2-G12-AZ33X-B3131	T1304032		2	2-Wire AC/DC
12 mm - Embeddable, <i>microfast</i> Connection, Teflon Coated 	Bi 2-GT12H-ADZ32X-B3131/S34	T4205093	<i>WFI</i>	2	2-Wire AC/DC Short-circuit Protected	
	Bi 2-GT12H-ADZ32X-B3131/S34/S1589	T4205096	<i>WFI</i>	2		
	Bi 2-GT12-ADZ32X-B3131/S34	T4205005	<i>WFI</i>	2		
	Bi 2U-GT12-ADZ32X-B3131	M4281015	<i>Uprox</i>	2		
		Bi 4-GT12H-ADZ32X-B3131	T4205097	<i>Stoneface</i>	4	2-Wire AC/DC
		Bi 4-GT12H-ADZ32X-B3131/S1589	T4205087	<i>weldguard</i> ®	4	
12 mm - Nonembeddable, <i>microfast</i> Connection 	Ni 4-G12-ADZ32X-B3131	T4205201		4	2-Wire AC/DC Short-circuit Protected	
	Ni 8-G12-ADZ32X-B3131	M4205401	<i>Ext. Range</i>	8		
	Ni 8U-G12-ADZ32X-B3131	M4281105	<i>Ext. Range, Uprox</i>	8		
		Ni 4-G12-AZ33X-B3131	T1304232		4	2-Wire AC/DC
12 mm - Nonembeddable, <i>microfast</i> Connection, Teflon Coated 	Ni 4-GT12-ADZ32X-B3131/S34	T4205205	<i>WFI</i>	4	2-Wire AC/DC	
	Ni 4-GT12-AZ33X-B3131/S34	T1304292	<i>WFI</i>	4		
	Ni 4-GT12H-ADZ32X-B3131/S34/S1589	T4205293	<i>weldguard</i>	4		
	Ni 8-GT12H-ADZ32X-B3131/S1589	T4205480-1	<i>weldguard</i>	8		
	Ni 8U-GT12-ADZ32X-B3131	M4281115	<i>Uprox</i>	8		

Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	1	<p>Diagram 1</p> 
	20	≤100	-30 to +85	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	1	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	TC	TC	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	TC	WG	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	TC	TC	N/A	YE	KB 3T-*	1	
	20	≤100	-30 to +85	IP 67	TC	TC	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	TC	TC	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	TC	TC	N/A	YE	KB 3T-*	1	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	TC	TC	N/A	YE	KB 3T-*	1	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	1	
	20	≤100	-30 to +85	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	1	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	CPB	PA 12	N/A	YE	KB 3T-*	1	
20-250 VAC 10-300 VDC	20	≤100	-25 to +70	IP 67	TC	PA 12	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	TC	PA 12	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	TC	WG	N/A	YE	KB 3T-*	1	
	20	≤100	-25 to +70	IP 67	TC	WG	N/A	YE	KB 3T-*	1	
	20	≤100	-30 to +85	IP 67	TC	PA 12	N/A	YE	KB 3T-*	1	

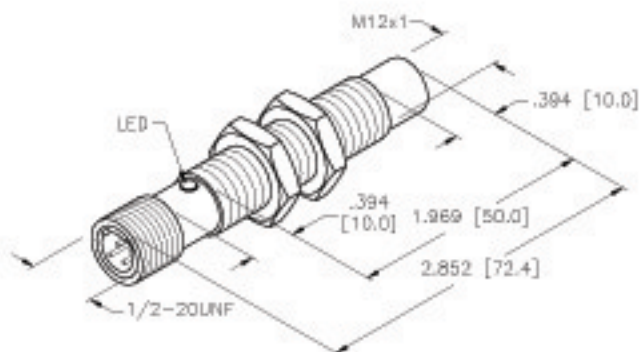
* Length in meters.

WIRING DIAGRAM



OUTPUT: ADZ32X

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 mA, 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(S _n)	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
MATING PLUGS/CABLES	3-PIN "MICROFAST" CONSTRUCTION

NOTE
PRELIMINARY
SPECIFICATIONS

SOURCE DRAWING - FOR REFERENCE ONLY

NOTE:

MATERIALS:

BARREL - CHROME PLATED BRASS
LOCKNUTS - CHROME PLATED BRASS
CONNECTOR - CHROME PLATED BRASS
SENSING FACE - PA12-G30 PLASTIC

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION 	THIS DOCUMENT IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		TURCK INC <i>High Technology Sensors and Automation Controls</i>	
MATERIAL SEE NOTE	TOLERANCES UNLESS OTHERWISE SPECIFIED .X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1°	DRY-T IK	DATE 03/12/01	DESCRIPTION Ni 8-G12-ADZ32X-B3131	
FINISH SEE NOTE	ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY	OSGN	SCALE 1=2.0	IDENTIFICATION NO. T4205401	REV P1
P1	IK	03/12/01	UNIT OF MEASUREMENT NCH [MILLIMETER]		
REV	DESCRIPTION	BY	DATE	ECO NO.	DO NOT SCALE THIS DRAWING
					FILE: T4205401
					SHEET 1 OF 1