

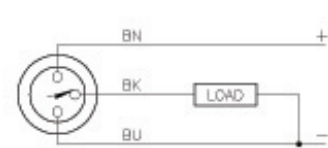

Inductive Sensors

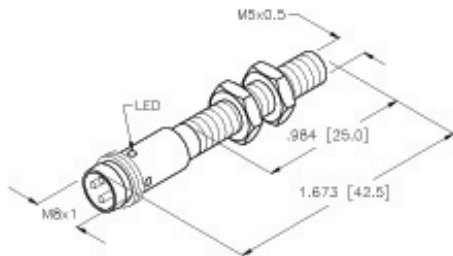


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output	
4 mm - Embeddable, Miniature Smooth, picofast® Quick Disconnect 	Bi 1-EH04-AN6X-V1331	S4608540		1	3-Wire DC NPN	
	Bi 1-EH04-AP6X-V1331	S4608440		1	3-Wire DC PNP	
	Bi 1-EH04-Y1-V1330	S1003044		1	2-Wire DC NAMUR	
5 mm - Embeddable, Miniature Threaded, picofast Quick Disconnect 	Bi 1-EG05-AN6X-V1331	S4608740		1	3-Wire DC NPN	
	Bi 1-EG05-AP6X-V1331	S4608640		1	3-Wire DC PNP	
	Bi 1-EG05-Y1-V1331	S1003241		1	2-Wire DC NAMUR	
6.5 mm - Embeddable, Miniature Smooth, picofast Quick Disconnect 	Bi 1.5-EH6.5K-AN6X-V1131	S4610840	Short Barrel	1.5	3-Wire DC NPN	
	Bi 2-EH6.5K-AN6X-V1131	S4610120	Short Barrel	2		
	Bi 1.5-EH6.5K-AP6X-V1131	S4610740	Short Barrel	1.5	3-Wire DC PNP	
	Bi 1.5-EH6.5K-AP6X-V1131/S100	S4612003	High Temp. 100°C	1.5		
	Bi 2-EH6.5K-AP6X-V1131	S4610020	Short Barrel	2		
6.5 mm - Embeddable, Miniature Smooth, picofast Quick Disconnect 	Bi 1.5-EH6.5-AN6X-V1131	S4612120		1.5	3-Wire DC NPN	
	Bi 1.5U-EH6.5-AN6X-V1131	S4600687	Uprox	1.5		
	Bi 2-EH6.5-AN6X-V1131	S4612320		2		
	Bi 2U-EH6.5-AN6X-V1131	S4281180	Uprox	2		
	Bi 1.5-EH6.5-AP6X-V1131	S4612020		1.5	3-Wire DC PNP	
	Bi 2-EH6.5-AP6X-V1131	S4612220		2		
	Bi 2U-EH6.5-AP6X-V1131	S4281160	Uprox	2		
	Bi 1.5-EH6.5-AP6X-V1131/S100	S4612002	High Temp. 100°C	1.5		
	Bi 1.5-EH6.5-Y1-V1130	S1004621			1.5	2-Wire DC NAMUR

Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	Power LED	Output LED	Mating Cordset	Wiring Diagram #	Wiring Diagrams
10-30 VDC	3000	≤100	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	1	<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center; background-color: #e0f2f1;">Diagram 1</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center; background-color: #e0f2f1;">Diagram 2</p> </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> <p style="text-align: center; background-color: #e0f2f1;">Diagram 3</p> </div>
10-30 VDC	3000	≤100	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	2	
5-30 VDC	5000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	N/A	PKG 3Z-*	3	
10-30 VDC	3000	≤100	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	1	
10-30 VDC	3000	≤100	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	2	
5-30 VDC	5000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	N/A	PKG 3Z-*	3	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	1	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	1	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	2	
	3000	≤150	-25 to +100	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	2	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	2	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	1	
	2000	≤150	-30 to +85	IP 68	SS	PA 12	N/A	YE	PKG 3Z-*	1	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	1	
	2000	≤150	-30 to +85	IP 68	SS	PA 12	N/A	YE	PKG 3Z-*	1	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	2	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	PKG 3Z-*	2	
	2000	≤150	-30 to +85	IP 68	SS	PA 12	N/A	YE	PKG 3Z-*	2	
	3000	≤150	-25 to +100	IP 67	SS	EPTR	N/A	YE	PKG 3Z-*	2	
5-30 VDC	5000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	N/A	PKG 3Z-*	3	


* Length in meters.

WIRING DIAGRAM	LOCKNUT LN-SS5	SPECIFICATIONS																		
 <p>OUTPUT: AP6X</p> <p>SHORT-CIRCUIT AND OVERLOAD PROTECTED</p>		<table border="1"> <tr><td>OPERATING VOLTAGE</td><td>10-30 VDC</td></tr> <tr><td>RIPPLE</td><td>≤10%</td></tr> <tr><td>DIFFERENTIAL TRAVEL (HYSTERESIS)</td><td>1-15% (5% TYPICAL)</td></tr> <tr><td>VOLTAGE DROP ACROSS CONDUCTING SENSOR</td><td><1.8 V at 100 mA</td></tr> <tr><td>OUTPUT FUNCTION</td><td>NORMALLY OPEN 3-WIRE DC SELF-CONTAINED</td></tr> <tr><td>TRIGGER CURRENT FOR OVERLOAD PROTECTION</td><td>≥120 mA</td></tr> <tr><td>CONTINUOUS LOAD CURRENT</td><td>≤100 mA</td></tr> <tr><td>OFF-STATE (LEAKAGE) CURRENT</td><td><100 μA</td></tr> <tr><td>NO-LOAD CURRENT</td><td>1.0-9.5 mA</td></tr> </table>	OPERATING VOLTAGE	10-30 VDC	RIPPLE	≤10%	DIFFERENTIAL TRAVEL (HYSTERESIS)	1-15% (5% TYPICAL)	VOLTAGE DROP ACROSS CONDUCTING SENSOR	<1.8 V at 100 mA	OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED	TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥120 mA	CONTINUOUS LOAD CURRENT	≤100 mA	OFF-STATE (LEAKAGE) CURRENT	<100 μA	NO-LOAD CURRENT	1.0-9.5 mA
OPERATING VOLTAGE	10-30 VDC																			
RIPPLE	≤10%																			
DIFFERENTIAL TRAVEL (HYSTERESIS)	1-15% (5% TYPICAL)																			
VOLTAGE DROP ACROSS CONDUCTING SENSOR	<1.8 V at 100 mA																			
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED																			
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥120 mA																			
CONTINUOUS LOAD CURRENT	≤100 mA																			
OFF-STATE (LEAKAGE) CURRENT	<100 μA																			
NO-LOAD CURRENT	1.0-9.5 mA																			



TIME DELAY BEFORE AVAILABILITY	≤8 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	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 IP65
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (ON ALL 3 PLANES)
LED FUNCTION	ON: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	1.0 mm = .040" (NOMINAL)
SWITCHING FREQUENCY	3000 Hz
REPEATABILITY	2% of RATED OPERATING DISTANCE
EMBEDABLE (SHIELDED)	YES

**NOTE
PRELIMINARY
SPECIFICATIONS**

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 Sensor and Automation Controls</i>	
MATERIAL CONNECTOR: BRASS BARREL: STAIN. STEEL	TURCK'S UNLESS OTHERWISE SPECIFIED .X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1° ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY	DWT IK OSUN DATE 01/28/00 SCALE N/A	DESCRIPTION Bi 1-EG05-AP6X-V1331	
FINISH CONNECTOR: COPPER/ NICKEL/CHROME PLATING	UNIT OF MEASUREMENT INCH [MILLIMETER]	DO NOT SCALE THIS DRAWING	IDENTIFICATION NO. S4608640	REV P1
P1 REV DESCRIPTION	IK 01/28/00 Br DATE ECO NO.		FILE: S4608640	SHEET 1 OF 1