

Inductive Sensors



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
8 mm - Embeddable, Miniature Threaded Barrel, Potted-In Cable 	Bi 2-EG08-AG41X	S4562000		2	2-Wire DC
	Bi 2-EG08-AG41X/S1589	S4562088	weldguard	2	
	Bi 1.5-EG08-AN6X	S4602340		1.5	3-Wire DC NPN
	Bi 1.5U-EG08-AN6X	S4600510	Uprox	1.5	
	Bi 2-EG08-AN6X	S4602140	Ext. Range	2	
	Bi 2-EG08-AN6X/S1589	S4602181	weldguard	2	
	Bi 2U-EG08-AN6X	S4602035	Uprox	2	
	Bi 1.5-EG08-AN7X	S1766110	TTL Compatible	1.5	
	Bi 1.5-EG08-AP6X	S4602240		1.5	3-Wire DC PNP
	Bi 1.5U-EG08-AP6X	S4600500	Uprox	1.5	
	Bi 2-EG08-AP6X	S4602040	Ext. Range	2	
	Bi 2-EG08-AP6X/S100	S4602047	High Temp. 100°C	2	
	Bi 2-EG08-AP6X/S957	S4602008	Flush Mount	2	
	Bi 2-EG08-AP6X/S1589	S4602085	weldguard	2	
	Bi 2-EG08-AP6X/S1610	S4602086-1	armorguard	2	
	Bi 2U-EG08-AP6X	S4602032	Uprox	2	
	Bi 1.5-EG08-Y1	S1003500		1.5	2-Wire DC NAMUR
	Bi 2-EG08-AZ14X	S4100001		2	2-Wire AC/DC
	Bi 2-EG08-VP6X	S1604610	Comp. Outputs	2	4-Wire DC PNP
	8 mm - Embeddable, Miniature Threaded Barrel, Potted-In Cable, Teflon Coated 	Bi 2-EGT08-AG41X	S4602540		2
Bi 1.5-EGT08-AP/S100		S4602256	High Temp. 100°C	1.5	3-Wire DC PNP

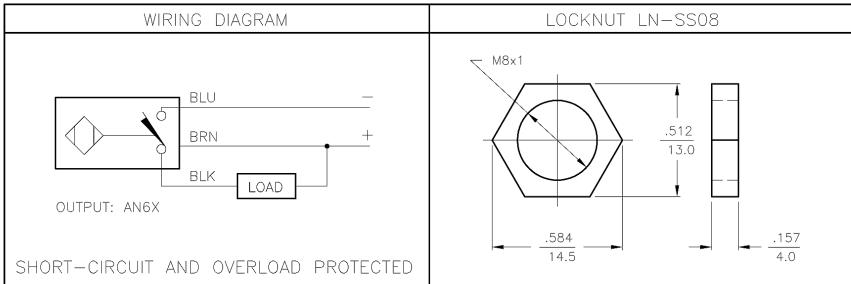
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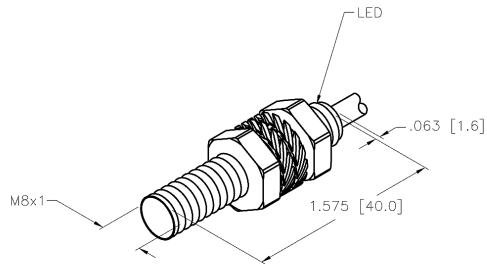


Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Face	End Cap	Power LED	Output LED	Cable Length/ Cable Mat.	Wiring Diagram #	Wiring Diagrams
10-55 VDC	1000	≤100	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	4	Diagram 1
	1000	≤100	-25 to +70	IP 67	SS	WG	TROG	N/A	YE	2M/PUR	4	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	1	Diagram 2
	2000	≤150	-30 to +85	IP 68	SS	PA 12	TROG	N/A	YE	2M/PUR	1	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	1	
	3000	≤150	-25 to +70	IP 67	SS	WG	TROG	N/A	YE	2M/PUR	1	
	2000	≤150	-30 to +85	IP 68	SS	PA 12	TROG	N/A	YE	2M/PUR	1	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	2	Diagram 3
	2000	≤150	-30 to +85	IP 68	SS	PA 12	TROG	N/A	YE	2M/PUR	2	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	2	
	3000	≤150	-25 to +100	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	2	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	2	
	3000	≤150	-25 to +70	IP 67	SS	WG	TROG	N/A	YE	2M/PUR	2	
	3000	≤150	-25 to +70	IP 67	AG	WG	TROG	N/A	YE	2M/PUR	2	
2000	≤150	-30 to +85	IP 68	SS	PA 12	TROG	N/A	YE	2M/PUR	2		
5-30 VDC	5000	Remote	-25 to +70	IP 67	SS	PA 12	TROG	N/A	N/A	2M/PUR	3	Diagram 4
20-132 VAC 10-140 VDC	20	≤100	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	5	Diagram 5
												Diagram 6
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	TROG	N/A	YE	2M/PUR	6	
10-55 VDC	1000	≤100	-25 to +70	IP 67	TC	PA 12	TC	N/A	YE	2M/PUR	4	
10-30 VDC	2000	≤150	-25 to +100	IP 67	TC	PA 12	TC	N/A	YE	2M/PUR	2	

Barrels



SPECIFICATIONS	
RATED OPERATING DISTANCE	2mm =.079"
MOUNTING MODE	FLUSH
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS (SWITCHING DISTANCE)	3-15%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
MAX. RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT	≤ 150 mA
NO-LOAD CURRENT	≤ 15 mA
MAX. OFF-STATE CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTED	YES
MAX. VOLTAGE DROP	≤ 1.8 V
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, NPN
MAX. SWITCHING FREQUENCY	≤ 1 kHz
HOUSING MATERIAL	METAL, A4 1.4404 (AISI 316L)
ACTIVE FACE	PLASTIC, PA12-GF20
END CAP	PLASTIC, PP
CABLE	∅4, LiYY-11Y, PUR, 2 METER LENGTH
SHOCK RESISTANCE	30 g, 11 ms
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
DEGREE OF PROTECTION	IP68
SWITCHING STATUS INDICATION	LED: YELLOW



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1. 2. 3. 4.				DRFT	RDS	DATE 05/08/06	DESCRIPTION
MATERIAL		TOLERANCES UNLESS OTHERWISE SPECIFIED		DSGN	TB	SCALE 1=1.0	BI 2U-EG08-AN6X
FINISH		.X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1° ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY		UNIT OF MEASUREMENT			IDENTIFICATION NO.
A DRAWING RELEASE		RDS	05/09/06	INCH [MILLIMETER]			S4602035
REV	DESCRIPTION	BY	DATE	ECO NO.	DO NOT SCALE THIS DRAWING	FILE: S4602035	REV A
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