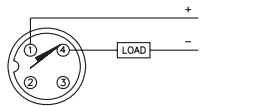
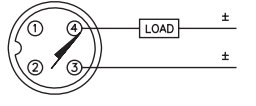
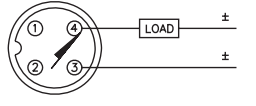
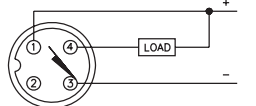

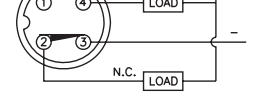
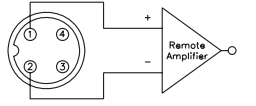
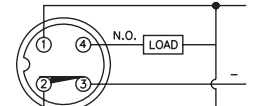
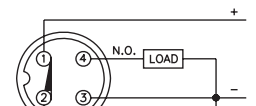


# Inductive Sensors

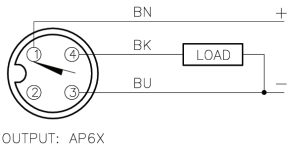


Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output
<b>8 mm - Embeddable, Miniature Threaded, eurofast® Quick Disconnect</b>  	Bi 2-EG08K-AG41X-H1341	S4562011	Short Barrel	2	2-Wire DC
	Bi 2-EG08K-AG41X-H1341/S1589	S4562090	weldguard®	2	
	Bi 1.5-EG08K-AN6X-H1341	S4669150	Short Barrel	1.5	3-Wire DC NPN
	Bi 2-EG08K-AN6X-H1341	S4669560	Short Barrel	2	
	Bi 1.5-EG08K-AP6X-H1341	S4669050	Short Barrel	1.5	3-Wire DC PNP
	Bi 2-EG08K-AP6X-H1341	S4669460	Short Barrel	2	
	Bi 2-EG08K-AP6X-H1341/S1589	S4669486	weldguard	2	
	Bi 1.5-EG08K-Y1-H1341	S1003620	Short Barrel	1.5	2-Wire DC NAMUR
	Bi 1.5-EG08K-Y1X-H1341	S1003640	Short Barrel	1.5	
	<b>8 mm - Embeddable, Miniature Threaded, eurofast Quick Disconnect</b>  	Bi 2-EG08-AG41X-H1341	S4562001	Ext. Range	2
Bi 2-EG08-AG41X-H1341/S1589		S4562095	weldguard	2	
Bi 1.5-EG08-AD6X-H1341		S4600203		1.5	
Bi 1.5-EG08-AN6X-H1341		S4602360		1.5	3-Wire DC NPN
Bi 1.5-EG08WD-AN6X-H1341		S4602211	Washdown	1.5	
Bi 1.5-EG08-AN7X-H1341		S4602361	TTL Compatible	1.5	
Bi 1.5U-EG08-AN6X-H1341		S4600550	Uprox	1.5	
Bi 2-EG08-AN6X-H1341		S4602160	Ext. Range	2	
Bi 2-EG08-AN6X-H1341/S1589		S4602182	weldguard	2	
Bi 2U-EG08-AN6X-H1341		S4602037	Uprox	2	
Bi 1.5U-EGT08-AN6X-H1341		S4600558	Uprox	1.5	
Bi 1.5-EG08-AP6X-H1341		S4602260		1.5	3-Wire DC PNP
Bi 1.5-EG08WD-AP6X-H1341		S4602210	Washdown	1.5	
Bi 1.5U-EG08-AP6X-H1341		S4600540	Uprox	1.5	
Bi 2-EG08-AP6X-H1341		S4602060	Ext. Range	2	
Bi 2-EG08-AP6X-H1341/S1589		S4602086	weldguard	2	
Bi 2U-EG08-AP6X-H1341		S4602034	Uprox	2	
Bi 1.5U-EG08-AP6X-H1341/S1589		S4600540-1	Uprox/weldguard	1.5	
Bi 1.5U-EGT08-AP6X-H1341		S4600555	Uprox	1.5	
Bi 2-EG08-VN6X-H1341		S4602521	Comp. Outputs	2	4-Wire DC NPN
Bi 2-EG08-VP6X-H1341		S4602522	Comp. Outputs	2	4-Wire DC PNP
Bi 1.5-EG08-Y1-H1341	S1003502		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
10-65 VDC	1000	≤100	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	1	<b>Diagram 1</b> 
	1000	≤100	-25 to +70	IP 67	SS	WG	N/A	YE	RK 4T-*	1	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	3	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	3	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	4	<b>Diagram 2</b> 
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	4	
	3000	≤150	-25 to +70	IP 67	SS	WG	N/A	YE	RK 4T-*	4	
5-30 VDC	5000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	N/A	RK 4.21T-*	5	<b>Diagram 3</b> 
	5000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4.21T-*	5	
10-65 VDC	1000	≤100	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	1	
	1000	≤100	-25 to +70	IP 67	SS	WG	N/A	YE	RK 4T-*	1	
	1000	≤100	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4.2T-*	2	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	3	<b>Diagram 4</b> 
	3000	≤150	-10 to +85	IP 68, 69K	SS	PA 12	N/A	YE	RK 4T-*	3	
	2000	≤150	-25 to +70	IP 68	SS	PA 12	N/A	YE	RK 4T-*	3	
	2000	≤150	-30 to +85	IP 67	SS	PA 12	N/A	YE	RK 4T-*	3	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	3	
	3000	≤150	-25 to +70	IP 67	SS	WG	N/A	YE	RKG 4T-*	3	
	1000	≤150	-35 to +85	IP 68	SS	PA 12	N/A	YE	RK 4T-*	3	
	3000	≤150	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*	3	
10-30 VDC	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	4	<b>Diagram 5</b> 
	3000	≤150	-10 to +85	IP 68, 69K	SS	PA 12	N/A	YE	RK 4T-*	4	
	2000	≤150	-30 to +85	IP 68	SS	PA 12	N/A	YE	RK 4T-*	4	
	3000	≤150	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4T-*	4	
	3000	≤150	-25 to +70	IP 67	SS	WG	N/A	YE	RKG 4T-2	4	
	1000	≤150	-35 to +85	IP 68	SS	PA 12	N/A	YE	RK 4T-*	4	
	2000	≤150	-30 to +85	IP 67	SS	WG	N/A	YE	RK 4T-*	4	
	2000	≤150	-30 to +85	IP 67	TC	TC	N/A	YE	RK 4T-*	4	
10-30 VDC	3000	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4.4T-*	6	<b>Diagram 6</b> 
10-30 VDC	3000	≤200	-25 to +70	IP 67	SS	PA 12	N/A	YE	RK 4.4T-*	7	
5-30 VDC	5000	Remote	-25 to +70	IP 67	SS	PA 12	N/A	N/A	RK 4.21T-*	5	<b>Diagram 7</b> 

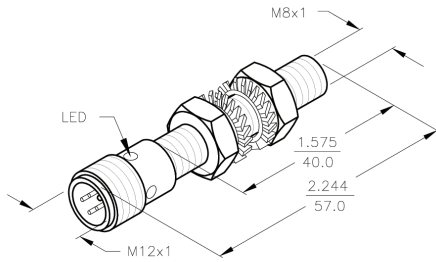
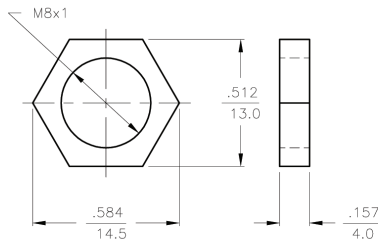
\* Length in meters.

**WIRING DIAGRAM**



SHORT-CIRCUIT AND OVERLOAD PROTECTED

**LOCKNUT LN-SS08**



**SPECIFICATIONS**

OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	1-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 150 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥170 mA
CONTINUOUS LOAD CURRENT	≤150 mA
OFF-STATE (LEAKAGE) CURRENT	<100µ A
NO-LOAD CURRENT	1.0-9.5 mA
TIME DELAY BEFORE AVAILABILITY	≤8 ms
POWER-ON EFFECT	Per IEC 947-5-2
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 IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
LED FUNCTION	YELLOW: OUTPUT ENERGIZED
RATED OPERATING DISTANCE(Sn)	1.5 mm = .059" (NOMINAL)
SWITCHING FREQUENCY	3000 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

NOTES:

1. MATERIALS:

- BARREL - METAL, A2 1.4301 (AISI 304)
- LOCKNUTS - STAINLESS STEEL
- LOCKWASHERS - STAINLESS STEEL
- SENSING FACE - PA12-GF20 PLASTIC

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1.		DRFT	IK	DATE	7/10/97		
2.		MATERIAL	SEE NOTES	DESCRIPTION	Bi1.5-EG08-AP6X-H1341		
3.		TOLERANCES UNLESS OTHERWISE SPECIFIED	.X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1°	SCALE	NONE	IDENTIFICATION NO. S4602260	
4.		FINISH	SEE NOTES	UNIT OF MEASUREMENT	<b>INCH [ MILLIMETER ]</b>		REV B
B	UPDATE TO NEW TITLE BLOCK	RDS	11/04/02	5504			
REV	DESCRIPTION	BY	DATE	ECO NO.	DO NOT SCALE THIS DRAWING	FILE: S4602260	SHEET 1 OF 1