

Inductive Sensors



Housing Style	Part Number	ID Number	Features	Sensing Range (mm)	Output	
18 mm - Embeddable, Potted-In Cable, Partial Threading 	Bi 5-M18-AD4X	T4411000		5	2-Wire DC	
	Bi 7-M18-AD4X	T4414535	Ext. Range	7		
	Bi 5U-EM18-AN6X	M1635320	Uprox	5	3-Wire DC NPN	
	Bi 5U-M18-AN6X	M1635120	Uprox	5		
	Bi 8-M18-AN6X	T4615130	Ext. Range	8		
	Bi 5-M18-AN6X	M4611100		5		
	Bi 5-M18-AP6X/S100	M4611004	High Temp. 100°C	5	3-Wire DC PNP	
	Bi 5U-EM18-AP6X	M1635300	Uprox	5		
	Bi 5U-M18-AP6X	M1635100	Uprox	5		
	Bi 8-M18-AP6X	T4615030	Ext. Range	8		
	Bi 5-M18-VN4X	T1571100	Comp. Outputs	5	4-Wire DC NPN	
	Bi 8-M18-VN4X	T4590703	Comp. Outputs	8		
	Bi 5-M18-VP4X	T1561100	Comp. Outputs	5	4-Wire DC PNP	
	Bi 8-M18-VP4X	T4590704	Comp. Outputs	8		
	18 mm - Embeddable, Potted-In Cable, Partial Threading, Teflon Coated 	Bi 5U-MT18-ADZ30X2	M4209410	Uprox	5	2-Wire AC/DC

Output	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
10-65 VDC	1000	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	Diagram 1
	1000	≤100	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	1	
10-30 VDC	2500	≤200	-30 to +85	IP 68	SS	PA 12	EPTR	N/A	YE	2M/PVC	2	Diagram 2
	2500	≤200	-30 to +85	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	2	
	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	2	
	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	RK 4T-*	2	
10-30 VDC	1000	≤200	-25 to +100	IP 67	CPB	IRPA	EPTR	N/A	YE	2M/PVC	3	Diagram 3
	2500	≤200	-30 to +85	IP 68	SS	PA 12	EPTR	N/A	YE	2M/PVC	3	
	2500	≤200	-30 to +85	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	3	
	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	3	
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	4	Diagram 4
	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	4	
10-65 VDC	1000	≤200	-25 to +70	IP 67	CPB	PA 12	EPTR	N/A	YE	2M/PVC	5	Diagram 5
	500	≤200	-25 to +70	IP 67	SS	PA 12	EPTR	N/A	YE	2M/PVC	5	
20-250 VAC 10-300 VDC	20	≤400/300	-30 to +85	IP 67	TC	TC	EPTR	GN	YE	2M/PVC	6	Diagram 6

WIRING DIAGRAM



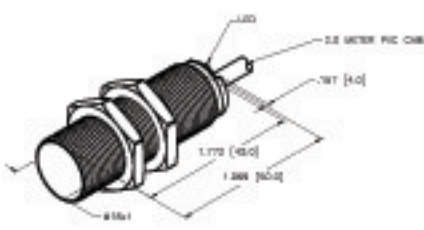
OUTPUT 48VDC
SHORT-CIRCUIT AND OVERLOAD PROTECTED

LOOKOUT LM-8178



SPECIFICATIONS

WIRE DRAINED WEIGHT	None [1.4g]
BOUNCE MODE	FLUSH
TEMPERATURE RWT	+150K
OPERATOR	1-12K
WEL POINT ADJUST	+2K
OPENING TOLERANCE	-20% to +20% (-12% to +15%)
WELD OPERATING VOLTAGE	50-80 VDC
WELDING WIRE	1.125
DC WELD OPERATING CURRENT	2.100 mA
WELDING CURRENT	+2.0 mA
BUILT-IN SAFETY VOLTAGE	+2.0 V
SHORT-CIRCUIT PROTECTION	YES
WEL ON TIME SWP	1.00 P
CLAMP POSITION	2-WEL, NORMALLY OPEN, 2-WEL
WELDING OPERATING CURRENT	2.00 mA
WEL OPERATING FREQUENCY	+1.0 Hz
BOARD MATERIAL/PLATING	BRASS/10-PAGE
WELD TAIL LENGTH	PLASTIC, IN-0.075
WEL ON MATERIAL	PLASTIC, 0.075
CABLE	45.0 1.0% PVC
WELDING RESISTANCE	20 to 30 Ohm ALL 2 PLATED
SHOCK RESISTANCE	20 g, 11 ms
GRADE OF PROTECTION	IP 47
WELDING WIRE ADJUSTER	LED, 12.0MP



CABLE LENGTH	TOLERANCE
1.0 METER	+ .01 OR .025 OF LENGTH
1.5 METER	+ .01 OR .025 OF LENGTH
2.0 METER	+ .01 OR .025 OF LENGTH
2.5 METER	+ .01 OR .025 OF LENGTH
3.0 METER	+ .01 OR .025 OF LENGTH
3.5 METER	+ .01 OR .025 OF LENGTH
4.0 METER	+ .01 OR .025 OF LENGTH
4.5 METER	+ .01 OR .025 OF LENGTH
5.0 METER	+ .01 OR .025 OF LENGTH

SOURCE DRAWING - FOR REFERENCE ONLY

REV	REV 01	DATE	08/25/2010	BY	12143
	REV 02	DATE	08/25/2010	BY	12143
		TURCK INC High Technology Sensors and Automation Controls			
DESCRIPTION	LOOKOUT LM-8178	REV	02	DATE	08/25/2010
MANUFACTURER	LOOKOUT LM-8178	REV	02	DATE	08/25/2010
DATE OF MODIFICATION	08/25/2010	BY	12143	DESCRIPTION	T4414333
DATE OF NEXT DRG CHANGE	08/25/2010	BY	12143	DESCRIPTION	T4414333