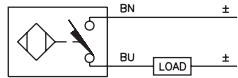
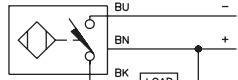
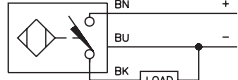
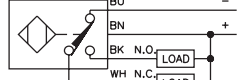
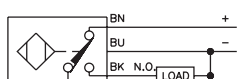
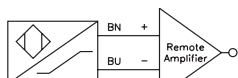
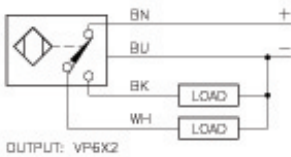


Housing Style - Rectangular	Part Number	ID Number	Features	Embeddable	Sensing Range (mm)	Output
	Bi 5-Q08-AD4X/S34	S4414550	Weld-field Immune	•	5	2-Wire DC
	Bi 5U-Q08-AN6X2	S1608911	Uprox	•	5	3-Wire DC NPN
	Bi 5-Q08-AN6X2/S34		Weld-field Immune	•	5	
	Bi 7-Q08-AN6X2	S1601620	Ext. Range	•	7	
	Bi 8U-Q08-AN6X2	S1662007	Uprox	•	8	
	Bi 5U-Q08-AP6X2	S1608901	Uprox	•	5	3-Wire DC PNP
	Bi 5-Q08-AP6X2/S34	S1600800	Weld-field Immune	•	5	
	Bi 7-Q08-AP6X2	S1601600	Ext. Range	•	7	
	Bi 8U-Q08-AP6X2	S1662006	Uprox	•	8	
	Bi 5-Q08-VN6X2	S1600200	Comp. Outputs	•	5	4-Wire DC NPN
	Bi 5-Q08-VN6X2/S34		Weld-field Immune	•	5	
	Bi 7-Q08-VN6X2	S1600920	Ext. Range	•	7	
	Bi 5-Q08-VP6X2	S1600100	Comp. Outputs	•	5	4-Wire DC PNP
	Bi 5-Q08-VP6X2/S34	S1600101	Weld-field Immune	•	5	
Bi 7-Q08-VP6X2	S1600900	Ext. Range	•	7		
Bi 5-Q08-Y1X	S4054000			•	5	2-Wire NAMUR

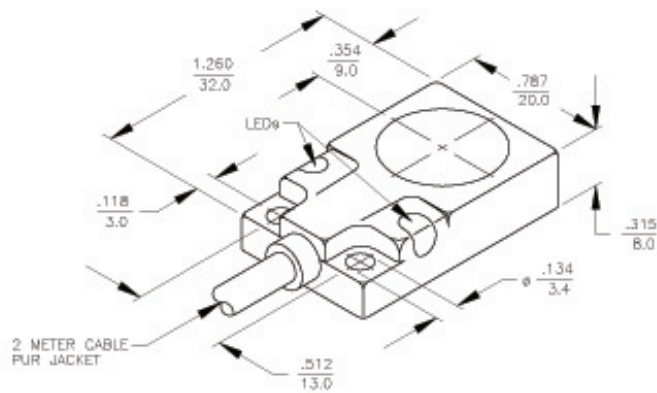
Voltage	Switching Freq. (Hz)	Operating Current (mA)	Operating Temp. (°C)	Protection	Housing	Front Cap/Face	Power LED	Output LED	Mating Cord, Cable Length/Jacket	Wiring Diagram #	Wiring Diagrams
10-65 VDC	50	≤100	-25 to +70	IP 67	Zinc	PA 12	N/A	YE	2M/PVC	1	<p><b>Diagram 1</b></p> 
10-30 VDC	1000	≤200	-30 to +85	IP 67	Zinc	PA 12	GN	YE	2M/PVC	2	<p><b>Diagram 2</b></p> 
	300	≤100	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	2	
	500	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	2	
	1000	≤200	-30 to +85	IP 67	Zinc	PA 12	GN	YE	2M/PVC	2	
10-30 VDC	1000	≤200	-30 to +85	IP 67	Zinc	PA 12	GN	YE	2M/PVC	3	<p><b>Diagram 3</b></p> 
	300	≤100	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	3	
	500	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	3	
	1000	≤200	-30 to +85	IP 67	Zinc	PA 12	GN	YE	2M/PVC	3	
10-30 VDC	1000	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	4	<p><b>Diagram 4</b></p> 
	300	≤100	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	4	
	500	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	4	
10-30 VDC	1000	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	5	<p><b>Diagram 5</b></p> 
	300	≤100	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	5	
	500	≤200	-25 to +70	IP 67	Zinc	PA 12	GN	YE	2M/PVC	5	
5-30 VDC	1000	Remote	-25 to +70	IP 67	Zinc	PA 12	N/A	YE	2M/PVC	6	<p><b>Diagram 6</b></p> 

**WIRING DIAGRAM**



OUTPUT: VP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



**SPECIFICATIONS**

OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤1.8 V at 100 mA
OUTPUT FUNCTION	COMPLEMENTARY OUTPUT ONE N.O., ONE N.C. (SPDT)
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥150 mA
CONTINUOUS LOAD CURRENT	≤100 mA
OFF-STATE (LEAKAGE) CURRENT	<10µA
NO-LOAD CURRENT	5.5-9.5 mA
TIME DELAY BEFORE AVAILABILITY	≤8 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	2 kV, 1ms, 1 kΩ
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	GREEN: POWER ON YELLOW: OUTPUT ENERGIZED
SENSING RANGE	5 mm = .197" (NOMINAL)
SWITCHING FREQUENCY	1000 Hz
REPEATABILITY	≤2% OF RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES

RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION 	THIS DRAWING IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.	<b>TURCK INC</b> High Technology Sensors and Automation Controls	
MATERIAL DIE CAST ZINC	TOLERANCES UNLESS OTHERWISE SPECIFIED .X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1°	DRAWN GMB DATE 11/2/89	DESCRIPTION BIS-Q08-VP6X2	REV
FRESH	ALL MILLIMETER DIMENSIONS ARE REFERENCED ONLY	SCALE NONE	IDENTIFICATION NO. S1600100	<input type="checkbox"/>
D UPDATE TO PUR CABLE JACKET RDS 07/08/08 21953	BY DATE EDO NO.	UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>	FILE: S1600100	SHEET 1 OF 1
DO NOT SCALE THIS DRAWING				