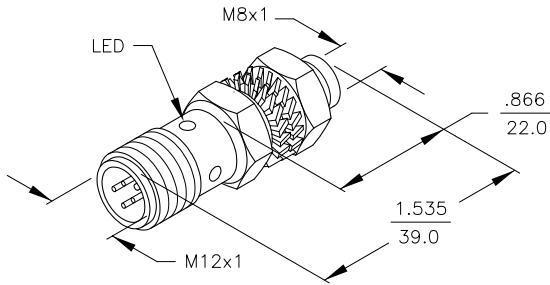


SPECIFICATIONS	
OPERATING VOLTAGE	10-55 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	1-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 3.5 V at 100 mA
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE DC SELF-CONTAINED
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES, CYCLIC
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 170 mA
CONTINUOUS LOAD CURRENT	≤ 100 mA
OFF-STATE (LEAKAGE) CURRENT	< 0.6 mA
NO-LOAD CURRENT	5.5-9.5 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
REVERSE POLARITY PROTECTION	NOT 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)	2 mm = .079" (NOMINAL)
SWITCHING FREQUENCY	≤ 1 kHz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES



NOTES: 1. MATERIALS:  
 BARREL - STAINLESS STEEL, V2A 1.4301  
 LOCKNUTS - STAINLESS STEEL  
 LOCKWASHERS - STAINLESS STEEL  
 SENSING FACE - /S1589

2. "/S1589" DESIGNATES WELDGUARD FRONT FACE.

SOURCE DRAWING - FOR REFERENCE ONLY

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> <i>High Technology Sensors and Automation Controls</i> 3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com	
MATERIAL				ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY		DSGN		SCALE 1=2.0	
SEE NOTES				CONTACT TURCK FOR MORE INFORMATION		UNIT OF MEASUREMENT <b>INCH [ MILLIMETER ]</b>		DESCRIPTION	
SEE NOTES								Bi 2-EG08K-AG41X-H1341/S1589	
C UPDATE SPECS AND WIRING DIAGRAM				RDS 03/30/06		14927		IDENTIFICATION NO.	
REV DESCRIPTION				BY DATE ECO NO.		S4562090		REV C	
DO NOT SCALE THIS DRAWING						FILE: S4562090		SHEET 1 OF 1	