



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	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED				
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥170 mA				
CONTINUOUS LOAD CURRENT	≤150				
OFF-STATE (LEAKAGE) CURRENT	<10 μΑ				
NO-LOAD CURRENT	≤10 mA				
TIME DELAY BEFORE AVAILABILITY	≤8 ms				
POWER-ON EFFECT PROTECTION	Per IEC 947-5-2				
REVERSE POLARITY PROTECTION	INCORPORATED				
WIRE-BREAK PROTECTION	INCORPORATED				
PROTECTION AGAINST TRANSIENTS	PER EN 60947-5-2				
ENCLOSURE	MEETS NEMA 1,3,4,6,13 AND IEC IP67				
OPERATING TEMPERATURE (10% DRIFT)	-25°C to +70°C (-13°F to +158°F)				
OPERATING TEMPERATURE (15% DRIFT)	-30°C to +85°C (-22°F to +185°F)				
SHOCK	30 g, 11 ms				
VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)				
LED FUNCTION	GREEN: POWER ON				
	YELLOW: OUTPUT ENERGIZED				
RATED OPERATING DISTANCE	3.5 mm = .138" (NOMINAL)				
SWITCHING FREQUENCY	2000 Hz				
REPEATABILITY	≤2% OF RATED OPERATING DISTANCE				
EMBEDDABLE (SHIELDED)	NO				
CABLE: OUTER JACKET MATERIAL NUMBER OF CONDUCTORS [AWG]	TPU 3x26 AWG				

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.	High Technology	Sensors and Automation Controls	3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com	
	MATERIAL HOUSING: PLASTIC-PP FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK	DSGN _	DATE 08/15/00 SCALE NONE	DESCRIPTION Ni 3.5-Q5.5-	-AP6X	
			UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING		IDENTIFICATION NO. S461360	REV	
971 NO.		FOR MORE INFORMATION			FILE: S4613601		1 OF 1

ALL DIMENSIONAL TOLERANCES: ±1.0 mm

[DRAWING PROCESSED AS PART OF ECO 33971	СВМ	04/06/11	33971
RI	EV [DESCRIPTION	BY	DATE	ECO NO.