



CABLE LENGTH	TOLERANCE
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm

SPECIFICATIONS

RATED OPERATING DISTANCE	20mm = .787" (NOMINAL)
MOUNTING MODE	NON-FLUSH
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS (SWITCHING DISTANCE)	3-15%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10-30 VDC
MAX. RIPPLE	≤ 10%
DC RATED OPERATIONAL CURRENT	≤ 200 mA
NO-LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES, CYCLIC
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 0.25 kHz
HOUSING MATERIAL	PLASTIC, PBT-GF30-V0
MATERIAL ACTIVE FACE	PLASTIC, PBT-GF30-V0
CABLE	Ø5.2, LiFY-11Y, TPU, 2.0 METERS
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP67
OPERATING VOLTAGE DISPLAY	LED, GREEN
SWITCHING STATUS INDICATION	LED, YELLOW

SOURCE DRAWING - FOR REFERENCE ONLY

B	DRAWING PROCESSED AS PART OF ECO 33971	CBM	04/06/11	33971
REV	DESCRIPTION	BY	DATE	ECO NO.

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.		3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com	
	MATERIAL SEE SPECIFICATIONS	DRFT RDS	DATE 11/29/06	DESCRIPTION NI20-Q14-AP6X2	
FINISH SEE SPECIFICATIONS	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DSGN TB	SCALE 1=1.5		
		UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. M4690205	REV B
		DO NOT SCALE THIS DRAWING		FILE: M4690205	SHEET 1 OF 1