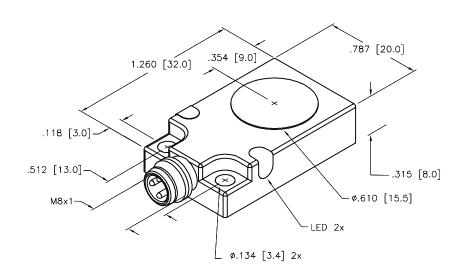


P1 DRAWING RELEASE PENDING

REV DESCRIPTION



RDS 05/01/13

DATE

RATED OPERATING DISTANCE MOUNTING MODE TEMPERATURE DRIFT FYSTERESIS MIN. REPEAT ACCURACY OPERATING TEMPERATURE TEMPERATURE OPERATIONAL VOLTAGE RATED OPERATIONAL VOLTAGE RATED OPERATIONAL CURRENT NO-LOAD CURRENT RATED INSULATION VOLTAGE SHORT—CIRCUIT PROTECTED MAX. VOLTAGE DROP REVERSE POLARITY PROTECTION WIRE—BREAK PROTECTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR VIBRATION DEGREE OF PROTECTION DEGREE OF PROTECTION DEGREE OF PROTECTION DEGREEN METAL, GD—ZN, BLACK VIBRATION DEGREE OF PROTECTION DEGREEN SWITCHING STATUS INDICATION LED: YELLOW LED: YELLOW SWITCHING STATUS INDICATION LED: YELLOW SHORT—CIRCUIT PROTECTION SHORT—CIRCUIT PROTECTION INCORPORATED MINCORPORATED STATUS INDICATION DEGREE OF PROTECTION DEGREE OF PROTECTION DEGREE OF PROTECTION LED: YELLOW SWITCHING STATUS INDICATION LED: YELLOW LED: YELLOW	SPECIFICATIONS					
TEMPERATURE DRIFT S ± 10% HYSTERESIS 3-15% MIN. REPEAT ACCURACY ≤ 2% OPERATING TEMPERATURE −25°C to +70°C (−13°F to +158°F) RATED OPERATIONAL VOLTAGE 10−30 VDC RESIDUAL RIPPLE ≤10% RATED OPERATIONAL CURRENT ≤ 200 mA NO−LOAD CURRENT ≤ 15 mA RESIDUAL CURRENT ≤ 0.1 mA RESIDUAL CURRENT ≤ 0.5 kV SHORT−CIRCUIT PROTECTED YES MAX. VOLTAGE DROP ≤ 1.8 V REVERSE POLARITY PROTECTION INCORPORATED WIRE−BREAK PROTECTION INCORPORATED WIRE−BREAK PROTECTION INCORPORATED OUTPUT FUNCTION NORMALLY OPEN, 3−WIRE, PNP MAX. SWITCHING FREQUENCY ≤ 1.0 kHz HOUSING MATERIAL METAL, GD−ZN, BLACK ACTIVE FACE PLASTIC, PA12−GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) OPERATING VOLTAGE DISPLAY LED: GREEN	RATED OPERATING DISTANCE	5mm = .197" (NOMINAL)				
HYSTERESIS MIN. REPEAT ACCURACY OPERATING TEMPERATURE RATED OPERATIONAL VOLTAGE RESIDUAL RIPPLE RATED OPERATIONAL CURRENT NO-LOAD CURRENT RESIDUAL CURRENT RESIDUAL CURRENT RESIDUAL CURRENT SOLOT MA RESIDUAL CURRENT RESIDUAL CURRENT RESIDUAL CURRENT SOLOT MA RESIDUAL CURRENT RESIDUAL CURRENT SOLOT MA RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED YES MAX. VOLTAGE DROP SOLOT MA REVERSE POLARITY PROTECTION WIRE-BREAK PROTECTION MORMALLY OPEN, 3-WIRE, PNP MAX. SWITCHING FREQUENCY HOUSING MATERIAL METAL, GD-ZN, BLACK ACTIVE FACE CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	MOUNTING MODE	$\leq \pm 10\%$ $3-15\%$ $\leq 2\%$ $-25^{\circ}\text{C to } +70^{\circ}\text{C } (-13^{\circ}\text{F to } +158^{\circ}\text{F})$ $10-30 \text{ VDC}$				
MIN. REPEAT ACCURACY OPERATING TEMPERATURE -25°C to +70°C (-13°F to +158°F) RATED OPERATIONAL VOLTAGE RESIDUAL RIPPLE S10% RATED OPERATIONAL CURRENT NO-LOAD CURRENT RESIDUAL CURRENT S15 mA RESIDUAL CURRENT S40.1 mA RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED WIRE-BREAK PROTECTION WIRE-BREAK PROTECTION MINCORPORATED OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR VIBRATION VIBRATION DEGREE OF PROTECTION DEGREE OF PROTECTION DEGREEN S10% 10-30 VDC	TEMPERATURE DRIFT					
OPERATING TEMPERATURE -25°C to +70°C (−13°F to +158°F) RATED OPERATIONAL VOLTAGE RESIDUAL RIPPLE ≤10% RATED OPERATIONAL CURRENT × 200 mA NO-LOAD CURRENT RESIDUAL CURRENT RESIDUAL CURRENT SOL1 mA RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED WIRE-BREAK PROTECTION WIRE-BREAK PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR VIBRATION DEGREE OF PROTECTION INCORPORATE PLASTIC, PA12-GF30 OPERATING VOLTAGE DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	HYSTERESIS					
RATED OPERATIONAL VOLTAGE RESIDUAL RIPPLE ≤10% RATED OPERATIONAL CURRENT NO-LOAD CURRENT RESIDUAL CURRENT RESIDUAL CURRENT RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED MAX. VOLTAGE DROP REVERSE POLARITY PROTECTION WIRE-BREAK PROTECTION MINCORPORATED OUTPUT FUNCTION MORMALLY OPEN, 3-WIRE, PNP MAX. SWITCHING FREQUENCY HOUSING MATERIAL METAL, GD-ZN, BLACK ACTIVE FACE CONNECTOR PICOFAST, M8X1 SHOCK VIBRATION DEGREE OF PROTECTION INCORPORATED 10-30 VDC ≤200 mA 10-30 VDC 10-	MIN. REPEAT ACCURACY					
RESIDUAL RIPPLE RATED OPERATIONAL CURRENT NO-LOAD CURRENT RESIDUAL CURRENT RESIDUAL CURRENT RATED INSULATION VOLTAGE SHORT—CIRCUIT PROTECTED MAX. VOLTAGE DROP REVERSE POLARITY PROTECTION WIRE—BREAK PROTECTION NORMALLY OPEN, 3—WIRE, PNP MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR VIBRATION PEGREE OF PROTECTION RESIDUAL CURRENT SHOW	OPERATING TEMPERATURE					
RATED OPERATIONAL CURRENT NO-LOAD CURRENT ≤ 15 mA RESIDUAL CURRENT ESIDUAL CURRENT RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED MAX. VOLTAGE DROP EVERSE POLARITY PROTECTION WIRE-BREAK PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR VIBRATION DEGREE OF PROTECTION S 20.0 mA ACTIVE FACE PLASTIC, PA12-GF30 DEGREE OF PROTECTION DEGREE OF PROTECTION PICOFAST, M8X1 SHOCK VIBRATION DEGREE OF PROTECTION DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	RATED OPERATIONAL VOLTAGE					
NO-LOAD CURRENT RESIDUAL CURRENT RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED MAX. VOLTAGE DROP REVERSE POLARITY PROTECTION WIRE-BREAK PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR SHOCK VIBRATION DEGREE OF PROTECTION S 1.5 mA S 1.1 mA S 1.5 mA S 1.5 mA S 1.1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	RESIDUAL RIPPLE					
RESIDUAL CURRENT RATED INSULATION VOLTAGE SHORT-CIRCUIT PROTECTED MAX. VOLTAGE DROP EVERSE POLARITY PROTECTION WIRE-BREAK PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR VIBRATION DEGREE OF PROTECTION SHORMALLY OPEN, 3-WIRE, PNP AND WIRE-BREAK SHOCK WIRE-BREAK PROTECTION NORMALLY OPEN, 3-WIRE, PNP SHOCK METAL, GD-ZN, BLACK PLASTIC, PA12-GF30 CONNECTOR PICOFAST, M8X1 SHOCK VIBRATION DEGREE OF PROTECTION DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	RATED OPERATIONAL CURRENT	≤ 200 mA				
RATED INSULATION VOLTAGE SHORT—CIRCUIT PROTECTED YES MAX. VOLTAGE DROP EVERSE POLARITY PROTECTION WIRE—BREAK PROTECTION OUTPUT FUNCTION MAX. SWITCHING FREQUENCY HOUSING MATERIAL ACTIVE FACE CONNECTOR SHOCK VIBRATION DEGREE OF PROTECTION YES YES YES YES YES YES YES YE	NO-LOAD CURRENT	≤15 mA				
SHORT—CIRCUIT PROTECTED MAX. VOLTAGE DROP ≤ 1.8 V REVERSE POLARITY PROTECTION INCORPORATED WIRE—BREAK PROTECTION OUTPUT FUNCTION MORMALLY OPEN, 3—WIRE, PNP MAX. SWITCHING FREQUENCY HOUSING MATERIAL METAL, GD—ZN, BLACK ACTIVE FACE PLASTIC, PA12—GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION DEGREE OF PROTECTION DEGREE OF PROTECTION OPERATING VOLTAGE DISPLAY LED: GREEN	RESIDUAL CURRENT	≤ 0.1 mA				
MAX. VOLTAGE DROP ≤ 1.8 V REVERSE POLARITY PROTECTION INCORPORATED WIRE-BREAK PROTECTION INCORPORATED OUTPUT FUNCTION NORMALLY OPEN, 3-WIRE, PNP MAX. SWITCHING FREQUENCY ≤ 1.0 kHz HOUSING MATERIAL METAL, GD-ZN, BLACK ACTIVE FACE PLASTIC, PA12-GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	RATED INSULATION VOLTAGE	YES ≤1.8 V				
REVERSE POLARITY PROTECTION INCORPORATED WIRE—BREAK PROTECTION INCORPORATED OUTPUT FUNCTION NORMALLY OPEN, 3—WIRE, PNP MAX. SWITCHING FREQUENCY ≤ 1.0 kHz HOUSING MATERIAL METAL, GD—ZN, BLACK ACTIVE FACE PLASTIC, PA12—GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	SHORT-CIRCUIT PROTECTED					
WIRE—BREAK PROTECTION INCORPORATED OUTPUT FUNCTION NORMALLY OPEN, 3—WIRE, PNP MAX. SWITCHING FREQUENCY ≤ 1.0 kHz HOUSING MATERIAL METAL, GD—ZN, BLACK ACTIVE FACE PLASTIC, PA12—GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	MAX. VOLTAGE DROP					
OUTPUT FUNCTION NORMALLY OPEN, 3-WIRE, PNP MAX. SWITCHING FREQUENCY ≤ 1.0 kHz HOUSING MATERIAL METAL, GD-ZN, BLACK ACTIVE FACE PLASTIC, PA12-GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	REVERSE POLARITY PROTECTION					
MAX. SWITCHING FREQUENCY ≤ 1.0 kHz HOUSING MATERIAL METAL, GD−ZN, BLACK ACTIVE FACE PLASTIC, PA12−GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	WIRE-BREAK PROTECTION	INCORPORATED				
HOUSING MATERIAL METAL, GD-ZN, BLACK ACTIVE FACE PLASTIC, PA12-GF30 CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY METAL, GD-ZN, BLACK PLASTIC, PA12-GF30 PICOFAST, M8X1 STORY IP67 DEGREE OF PROTECTION IP67 DEGREE OF PROTECTION IP67 DEGREE OF PROTECTION IP67	OUTPUT FUNCTION	NORMALLY OPEN, 3-WIRE, PNP				
ACTIVE FACE CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION DEGREE OF PROTECTION OPERATING VOLTAGE DISPLAY PLASTIC, PA12—GF30 PICOFAST, M8X1 STATEMENT OF PROTECTION IP67 LED: GREEN	MAX. SWITCHING FREQUENCY	≤ 1.0 kHz				
CONNECTOR PICOFAST, M8X1 SHOCK 30 g, 11 ms VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	HOUSING MATERIAL	METAL, GD-ZN, BLACK				
SHOCK JO g, 11 ms VIBRATION DEGREE OF PROTECTION OPERATING VOLTAGE DISPLAY JO g, 11 ms (IN ALL 3 PLANES) IP67 LED: GREEN	ACTIVE FACE	PLASTIC, PA12-GF30				
VIBRATION 55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES) DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	CONNECTOR	PICOFAST, M8X1				
DEGREE OF PROTECTION IP67 OPERATING VOLTAGE DISPLAY LED: GREEN	SHOCK	30 g, 11 ms				
OPERATING VOLTAGE DISPLAY LED: GREEN	VIBRATION	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)				
	DEGREE OF PROTECTION					
SWITCHING STATUS INDICATION LED: YELLOW	OPERATING VOLTAGE DISPLAY	LED: GREEN				
	SWITCHING STATUS INDICATION	LED: YELLOW				

NOTE PRELIMINARY SPECIFICATIONS

SOURCE DRAWING - FOR REFERENCE ONLY

		RELATED DOCUMENTS 1. 2. 3. 4.	3RD ANGLE PROJECTION	THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.	High Technology	3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com		55441 '69 00
		MATERIAL DIE CAST ZINC ALL DIMENSIONS DISPLAYED ON TH			DATE 05/01/13 SCALE 1=.7	S DESCRIPTION BI 5-Q08-AP6X2-V2131		
		FINISH DRAWING ARE FOR REFERENCE ONLY CONTACT TURCK	UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. \$1600502		REV	
3	ECO NO.		FOR MORE INFORMATION	DO NOT SCALE	-	FILE: \$1600502	SHEET	1 OF 1