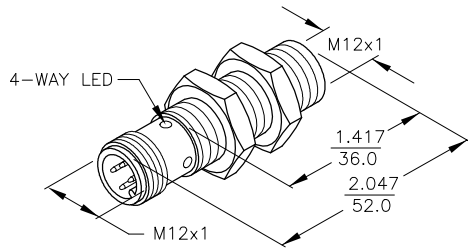


SPECIFICATIONS	
OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
DIFFERENTIAL TRAVEL (HYSTERESIS)	3-15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC
TTL COMPATIBLE	NO
SHORT-CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 220 mA
CONTINUOUS LOAD CURRENT	≤ 200 mA
OFF-STATE (LEAKAGE) CURRENT	≤ 0.1 mA
NO-LOAD CURRENT	< 10 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER-ON EFFECT	PER IEC 947-5-2
REVERSE POLARITY PROTECTION	YES
WIRE-BREAK PROTECTION	YES
PROTECTION AGAINST TRANSIENTS	Per EN 60947-5-2
OPERATING TEMPERATURE (10% DRIFT)	-25°C to +70°C (-13°F to +158°F)
ENCLOSURE	MEETS NEMA 1,3,4,4X,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	2000 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES
MATING PLUGS/CABLES	4-PIN "EUROFAST" CONSTRUCTION, STAINLESS STEEL



NOTES:

1. MATERIAL:

BARREL - STAINLESS STEEL  
 LOCKNUTS - STAINLESS STEEL  
 SENSING FACE - PA12-GF30 PLASTIC

**NOTE  
 PRELIMINARY  
 SPECIFICATIONS**

**SOURCE DRAWING - FOR REFERENCE ONLY**

RELATED DOCUMENTS				3RD ANGLE PROJECTION		THIS DOCUMENT 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	
1. 2. 3. 4.						DRFT JBJ		DATE 03/01/01		DESCRIPTION	
MATERIAL				TOLERANCES UNLESS OTHERWISE SPECIFIED		DSGN		SCALE NONE		Bi 2-EM12-AP6X-H1141	
SEE NOTE 1				0.0394in [1.00mm]		UNIT OF MEASUREMENT				IDENTIFICATION NO.	
FINISH						INCH [ MILLIMETER ]				T4606501	
P1				JBJ		03/01/01				REV	
REV DESCRIPTION				BY DATE ECO NO.		DO NOT SCALE THIS DRAWING				FILE: T4606501 SHEET 1 OF 1	