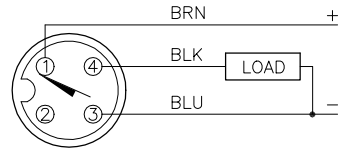


WIRING DIAGRAM

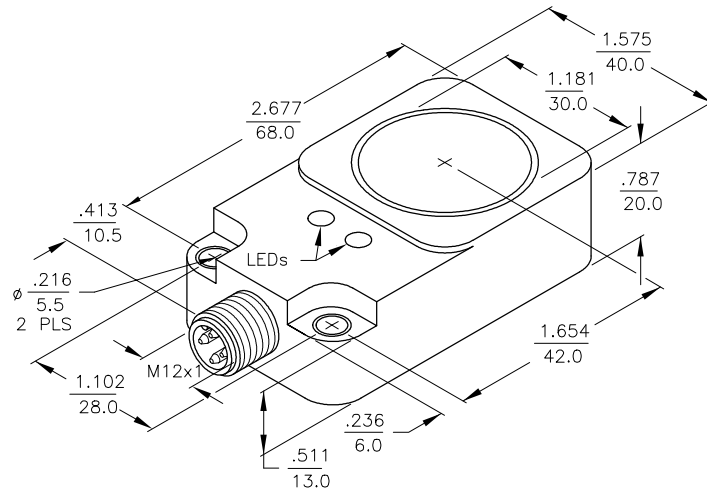
OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



OUTPUT: AP6X2

SHORT-CIRCUIT AND OVERLOAD PROTECTED



SPECIFICATIONS	
OPERATING VOLTAGE	10-30 VDC
RIPPLE	≤ 10%
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 1.8 V at 200 mA
OUTPUT FUNCTION	NORMALLY OPEN 3-WIRE DC SELF-CONTAINED
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	≤ 8 mA
TIME DELAY BEFORE AVAILABILITY	≤ 8 ms
POWER-ON EFFECT	PER IEC 947-5-2
REVERSE POLARITY PROTECTION	INCORPORATED
WIRE-BREAK PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	Per 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	GREEN = POWER ON YELLOW = OUTPUT ENERGIZED
MINIMUM TARGET DIAMETER	≥ 6 mm
SWITCHING FREQUENCY	9.95 Hz
EMBEDDABLE (SHIELDED)	YES
OFF DELAY	100 ms
MINIMUM SWITCHING PERIOD	100.5 ms (100 ms ON/0.5 ms OFF)

NOTE
PRELIMINARY
SPECIFICATIONS

					RELATED DOCUMENTS		3RD ANGLE PROJECTION		THIS DOCUMENT IS PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.		<div>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax turck.com</div> <div>TURCK INC <i>High Technology Sensors and Automation Controls</i></div>				
					MATERIAL PBT-GF30-VO PLASTIC HOUSING		TOLERANCES UNLESS OTHERWISE SPECIFIED .X ±0.02 .XX ±0.01 .XXX ±0.005 ANGLES ±1° ALL MILLIMETER DIMENSIONS ARE REFERENCE ONLY		DRFT CBM		DATE 02/07/00		DESCRIPTION Bi30R-Q20-AP6X2-H1141		
									DSGN		SCALE NONE				
					FINISH				UNIT OF MEASUREMENT INCH [MILLIMETER]						
									DO NOT SCALE THIS DRAWING						
P1					CBM	02/07/00							IDENTIFICATION NO. M1407500		REV P1
REV	DESCRIPTION				BY	DATE	ECO NO.						FILE: M1407500		SHEET 1 OF 1