

WIRING DIAGRAM

RD/WH

LOAD

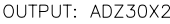
RD/BK L1

GN/YE

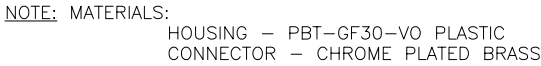
L2

OUTPUT: ADZ30X2

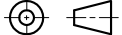
SHORT-CIRCUIT AND OVERLOAD PROTECTED



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SPECIFICATIONS	
OPERATING VOLTAGE	20–250 VAC/VDC
LINE FREQUENCY	40–60 Hz
HYSTERESIS	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤ 6.0 V at 400 mA
OUTPUT FUNCTION	NORMALLY OPEN, 2–WIRE AC/DC
WELD–FIELD IMMUNITY	NO
SHORT–CIRCUIT PROTECTED	YES
TRIGGER CURRENT FOR OVERLOAD PROTECTION	≥ 500 mA
CONTINUOUS LOAD CURRENT	≤ 400 mA
RESIDUAL CURRENT	≤ 1.7 mA
MINIMUM LOAD CURRENT	≥ 3.0 mA
INRUSH CURRENT	≥ 3.0 A (≤ 20 ms, 10% DUTY CYCLE)
TIME DELAY BEFORE AVAILABILITY	≤ 60 ms
POWER–ON EFFECT	Per IEC 947–5–2
TRANSIENT PROTECTION	Per EN 60947–5–2
OPERATING TEMPERATURE	–25°C to +75°C (–13°F to +167°F)
ENCLOSURE	MEETS NEMA 1, 3, 4, 6, 13 AND IEC IP67
SHOCK	30 g, 11 ms
VIBRATION	55 Hz, 1 mm AMPLITUDE (ALL 3 PLANES)
LED FUNCTION	GREEN = POWER ON GREEN FLASHING: SHORT CIRCUIT WARNING RED = OUTPUT ENERGIZED
SENSING RANGE	50 mm = 1.969" (NOMINAL)
SWITCHING FREQUENCY	60 Hz
REPEATABILITY	≤ 2% of RATED OPERATING DISTANCE
EMBEDDABLE (SHIELDED)	YES
MATING PLUGS/CABLES	3–PIN "MICROFAST" CONSTRUCTION

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.				3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us	
	MATERIAL SEE NOTE	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	DRFT IK	DATE 02/14/01	DESCRIPTION BI50-Q80-ADZ30X2-B3131		
FINISH	CONTACT TURCK FOR MORE INFORMATION	APVD	SCALE NONE				
		UNIT OF MEASUREMENT INCH [MILLIMETER] DO NOT SCALE THIS DRAWING		IDENTIFICATION NO. 4200311		REV C	
		FILE: 4200311		SHEET 1 OF 1			