

WIRING DIAGRAM

RED/WHT

LOAD

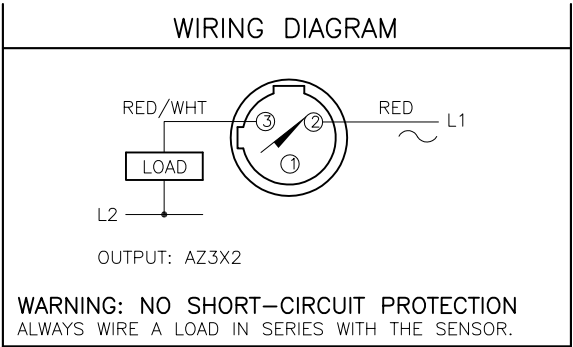
L2

RED

L1

OUTPUT: AZ3X2

WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.



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RED/WHT

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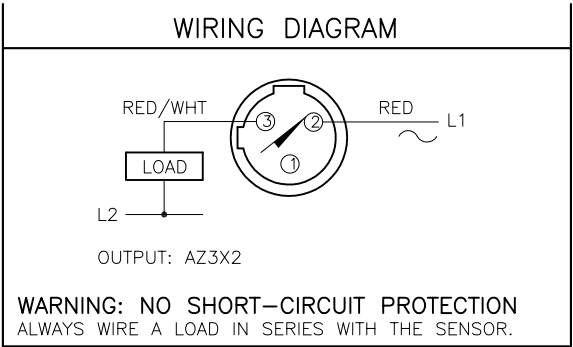
L2

RED

L1

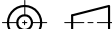

OUTPUT: AZ3X2

WARNING: NO SHORT-CIRCUIT PROTECTION
ALWAYS WIRE A LOAD IN SERIES WITH THE SENSOR.



OPERATING VOLTAGE	20–250 VAC/DC
LINE FREQUENCY	40–60 Hz
DIFFERENTIAL TRAVEL (HYSTERESIS)	3–15% (5% TYPICAL)
VOLTAGE DROP ACROSS CONDUCTING SENSOR	≤7.0 V at 500 mA
OUTPUT FUNCTION	NORMALLY OPEN 2-WIRE AC/DC SELF-CONTAINED
SHORT-CIRCUIT PROTECTED	NO
CONTINUOUS LOAD CURRENT	≤500 mA
OFF-STATE (LEAKAGE) CURRENT	≤1.7 mA
MINIMUM LOAD CURRENT	≥5.0 mA
INRUSH CURRENT	≤8.0 A (≤10 ms/5 Hz)
TIME DELAY BEFORE AVAILABILITY	≤80 ms
POWER-ON EFFECT PROTECTION	INCORPORATED
PROTECTION AGAINST TRANSIENTS	5 kV, 10 ms, 10 kΩ
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 RED = OUTPUT ENERGIZED
SENSING RANGE	10 mm = .394" (NOMINAL)
SWITCHING FREQUENCY	20 Hz
REPEATABILITY	≤2% of RATED OPERATING DISTANCE
SHIELDED	YES
MATING PLUGS/CABLES	3-PIN "MICROFAST" CONSTRUCTION

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<div>RELATED DOCUMENTS</div> <div>1. 2. 3. 4.</div>					<div>3RD ANGLE PROJECTION</div> <div></div>		<div>THIS DRAWING IS CONFIDENTIAL AND THE PROPERTY OF TURCK INC. USE OF THIS DOCUMENT WITHOUT WRITTEN PERMISSION IS PROHIBITED.</div>		<div>3000 CAMPUS DRIVE MINNEAPOLIS, MN 55441 1-800-544-7769 (763) 553-7300 (763) 553-0708 fax www.turck.us</div> <div></div>			
					<div>MATERIAL</div> <div>PBT-GF30 PLASTIC HOUSING</div>		<div>ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY</div>		<div>DRFT</div> <div>GMB</div>	<div>DATE</div> <div>8/2/89</div>	<div>DESCRIPTION</div> <div>BI10T-Q34-AZ3X2-B3131</div>	
									<div>APVD</div>	<div>SCALE</div> <div>NONE</div>		
					<div>FINISH</div>		<div>CONTACT TURCK FOR MORE INFORMATION</div>		<div>UNIT OF MEASUREMENT</div> <div>INCH [MILLIMETER]</div> <div>DO NOT SCALE THIS DRAWING</div>		<div>IDENTIFICATION NO.</div> <div>1369098</div>	
<div>FILE: 1369098</div>		<div>SHEET 1 OF 1</div>										
<div>D</div>	<div>UPDATE ID NUMBER PER HARMONIZATION PROJECT</div>			<div>CBM</div>	<div>11/06/17</div>							
<div>REV</div>	<div>DESCRIPTION</div>			<div>BY</div>	<div>DATE</div>	<div>ECO NO.</div>						