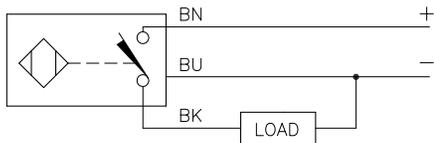
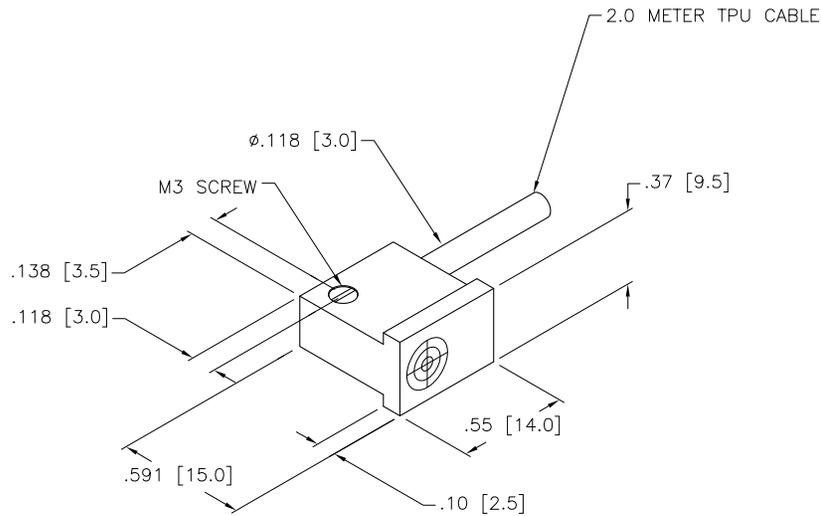


WIRING DIAGRAM



OUTPUT: AP6

SHORT-CIRCUIT AND OVERLOAD PROTECTED



CABLE LENGTH	TOLERANCE
ALL LENGTHS	+ 4% (OR 50mm) OF LENGTH - 0% (OR 0mm) OF LENGTH WHICHEVER IS GREATER
STRIP LENGTH	TOLERANCE
0-7mm	±0.5mm
8-29mm	±1.0mm
30-49mm	±2.0mm
50-69mm	±3.0mm
70-100mm	±4.0mm
OVER 100mm	±5.0mm

NOTES:

1. "/S34" DESIGNATES WELD FIELD IMMUNITY. SENSOR IS SUITABLE FOR USE ON RESISTANCE WELDING MACHINES.

SPECIFICATIONS

RATED OPERATING DISTANCE	2mm = .078" (NOMINAL)
MOUNTING MODE	NON-FLUSH
HYSTERESIS	3-15%
MIN. REPEAT ACCURACY	≤ 2%
TEMPERATURE DRIFT	≤ ±10%
OPERATING TEMPERATURE	-25°C to +70°C (-13°F to +158°F)
OPERATING VOLTAGE	10-30 VDC
MAX. RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT (DC)	≤ 150 mA
NO LOAD CURRENT	≤ 15 mA
RESIDUAL CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT CIRCUIT PROTECTION	INCORPORATED
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE-BREAK PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 0.03 kHz
HOUSING MATERIAL	PLASTIC, PA12-GF20
ACTIVE FACE	PLASTIC, PA12-GF20
CABLE	Ø3.0, LIFYY-11Y, TPU
VIBRATION RESISTANCE	55 Hz, (1mm) IN ALL 3 PLANES
SHOCK RESISTANCE	30 g, (11 ms)
DEGREE OF PROTECTION	IP67

SOURCE DRAWING - FOR REFERENCE ONLY

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	MATERIAL PA 12-GF30 PLASTIC	DRFT IK DSGN eh	DATE 11/30/99 SCALE 1=1.0	DESCRIPTION NI 2-Q9.5-AP6/S34	
FINISH	ALL DIMENSIONS DISPLAYED ON THIS DRAWING ARE FOR REFERENCE ONLY	UNIT OF MEASUREMENT INCH [MILLIMETER]		IDENTIFICATION NO. S1650077	REV B
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B	DRAWING PROCESSED AS PART OF ECO 33971	CBM	04/06/11	33971
REV	DESCRIPTION	BY	DATE	ECO NO.