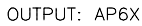


WIRING DIAGRAM

OUTPUT: AP6X

SHORT-CIRCUIT AND OVERLOAD PROTECTED



Technical drawing of the LED probe assembly. The drawing shows a perspective view of the assembly with the following dimensions and labels:

- Dimensions:**
 - Overall length: 0.3 METERS
 - Probe body diameter: .236 [6.0]
 - Probe body length: 1.102 [28.0]
 - Probe body outer diameter: .315 [8.0]
 - Probe body inner diameter: .118 [3.0]
 - Probe body wall thickness: .217 [5.5]
 - Probe body end diameter: .315 [8.0]
 - Probe body end diameter (smaller): .217 [5.5]
- Labels:**
 - PSW 3M-P7X2 CONNECTOR
 - 2x LED's
 - M8x1
 - LED

SPECIFICATIONS	
RATED OPERATING DISTANCE	2mm = .079" (NOMINAL)
MOUNTING MODE	FLUSH
TEMPERATURE DRIFT	≤ ±10%
HYSTERESIS (SWITCHING DISTANCE)	3–15%
MIN. REPEAT ACCURACY	≤ 2%
OPERATING TEMPERATURE	–25°C to +70°C (–13°F to +158°F)
RATED OPERATIONAL VOLTAGE	10–30 VDC
MAX. RIPPLE	≤ 10%
RATED OPERATIONAL CURRENT	≤ 150 mA
NO-LOAD CURRENT	≤ 15 mA
MAX. OFF-STATE CURRENT	≤ 0.1 mA
RATED INSULATION VOLTAGE	≤ 0.5 kV
SHORT-CIRCUIT PROTECTION	YES, CYCLIC
MAX. VOLTAGE DROP	≤ 1.8 V
WIRE BREAKAGE PROTECTION	INCORPORATED
REVERSE POLARITY PROTECTION	INCORPORATED
OUTPUT FUNCTION	3-WIRE, NORMALLY OPEN, PNP
MAX. SWITCHING FREQUENCY	≤ 2 kHz
WELD FIELD IMMUNE	YES
HOUSING MATERIAL/COLOR	PLASTIC, PP–GF20/PLASTIC
ACTIVE FACE	PLASTIC, PP–GF20
CABLE	Ø3.0, TPU
VIBRATION RESISTANCE	55 Hz, 1 mm AMPLITUDE (IN ALL 3 PLANES)
SHOCK RESISTANCE	30 g, 11 ms
DEGREE OF PROTECTION	IP68
SWITCHING STATUS INDICATION	LED, YELLOW

E	UPDATE DESCRIPTION	NF	12/02/16	57655
REV	DESCRIPTION	BY	DATE	ECO NO.

THIS DRAWING	FILE: S1613040-000	SHEET 1 OF 1
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SOURCE DRAWING – FOR REFERENCE ONLY