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 CATALOG LISTING  
 243PC15M  
 PAGE 1 OF 1  
 RELEASE NO. PR-18675  
 REPLACES

3X #18 AWG WIRE LEADS WITH  
CROSS-LINKED POLYETHYLENE  
INSULATION

RED = SUPPLY VOLTAGE  
BLK = GROUND  
GRN = OUTPUT

4X CLEARANCE FOR M5 OR  
#10 ENGLISH FASTENER

**MICRO SWITCH**  
FREEPORT, ILL. U.S.A.

1/8-27 NPT THREADED  
INPUT PORT (PRESSURE P2)

15,0 (19/32 INCH)  
ACROSS FLATS HEX

3X 2,5 MIN

3X 300,0±6,0

CATALOG LISTING, E.I.A. WEEKLY  
DATE CODE MARKED IN THIS AREA

**GENERAL OPERATING CHARACTERISTICS**

PRESSURE RANGE -15 TO +15 PSIG (-103 TO +103 KPa)  
 PROOF PRESSURE 45 PSIG MAX (310 KPa MAX)  
 BURST PRESSURE 60 PSI TYP (412 KPa TYP)  
 TEMPERATURE RANGES  
 STORAGE -40° TO +85°C  
 OPERATE -40° TO +85°C  
 COMPENSATED -18° TO +63°C  
 SUPPLY VOLTAGE 7.0 TO 16.0 VDC  
 SUPPLY CURRENT 20mA MAX WITH 10K LOAD  
 SHORT CIRCUIT LIMIT MAY BE SHORTED INDEFINITELY  
 OUTPUT VOLTAGE PROPORTIONAL TO SUPPLY VOLTAGE  
 GROUND REFERENCE SUPPLY AND OUTPUT ARE COMMON

**ELECTRICAL PERFORMANCE AT 25°C AND 8.00±0.01 VDC SUPPLY**

NULL (0 PSIG) 3.50±0.05 VDC  
 FULL SCALE(+15 PSIG)(-15 PSIG 1.00 TYP) 6.00±.20 VDC  
 SENSITIVITY 166.7mV/PSI TYP  
 LINEARITY (% F.S.O.) 2 (BESL) ±1.5% MAX  
 HYSTERESIS & REPEATABILITY (%F.S.O.) 2 ±0.25% TYP  
 TEMPERATURE ERROR (%F.S.O.) 2  
 -18° < 25° > 63°C ±1.0% MAX  
 -40° < 25° > 85°C ±2.0% TYP  
 RESPONSE TIME 1mSEC MAX

**NOTES**

- 1 - HOUSING IS BLACK ANODIZED ALUMINUM
- 2 F.S.O. IS THE ALGEBRAIC DIFFERENCE BETWEEN THE OUTPUT END POINTS (NULL AND FULL PRESSURE)
- 3 - CONTACT MICRO SWITCH FOR DETAILED INFORMATION CONCERNING MEDIA COMPATABILITY

METRIC	INCH
2,5	.10
6,0	.236
11,0	.43
15,0	.59
30,0	1.18
40,0	1.57
46,0	1.81
56,0	2.20
58,0	2.28
300,0	11.81

THIRD ANGLE PROJECTION

SCALE FULL

DO NOT SCALE PRINT

**TOLERANCES**  
APPLY TO DESIGN UNITS. CONVERSIONS ARE ONLY FOR REFERENCE. UNLESS NOTED, TOLERANCES ARE :

	DIM.	TOL	DIM.	TOL
	mm	mm/in	in	mm/in
NO PLACES	X	1/.04	X.X	0.8/.03
ONE PLACE	X.X	0.4/.016	X.XX	0.38/.015
TWO PLACES	X.XX	0.15/.006	X.XXX	0.13/.005
THREE PLACES				
ANGLES				

DESIGN UNITS  SI METRIC  US CUSTOMARY

WEIGHT 85G (3OZ) MAX