REF. NO: MPCL 98CAT PG72

REVISION					
C.O.N	SYM	DESCRIPTION	DATE	DRAWN	APPR'D
	A	"SEAL COMPLIANCE:IP54" WAS "SEAL: WATERPROOF".	08/10/03	TSUGAWA	

GENERAL:

MODELS LP-10FBS-3 AND LP-20FBS-3 ARE WATERPROOFED, CONDUCTIVE PLASTIC, LINEAR MOTION POTENTIOMETERS,WITH A RETURN SPRING. THEIR STURDY AND PRECISION CONSTRUCTION ALLOWS THE UNITS TO BE SUITABLE FOR APPLICATIONS IN WET, OILY, DUSTY OPERATING ENVIRONMENTS.

ELECTRICAL SPECIFICATIONS:

ELECTRICAL STROKE:	
LP-10FBS-3	10 mm
LP-20FBS-3	20 mm
TOTAL RESISTANCE:	
LP-10FBS-3	0.5, 1 kOHMS
LP-20FBS-3	0.5, 1, 2 kOHMS
TOTAL RESIS. TOLERANCE:	±20%
LINEARITY (INDEPENDENT):	±1% (±0.5% AVAILABLE)
REPEATABILITY:	0.03%
POWER RATING:	
LP-10FBS-3	0.3 WATTS @70°C
LP-20FBS-3	0.6 WATTS @70°C
INSULATION RESISTANCE:	100 meg OHMS MIN. @500 Vdc
DIELECTRIC STRENGTH:	500 Vrms,50/60Hz,for 1 MINUTE
RESISTANCE TEMP. COEFFICIENT:	400 ppm/°C

MECHANICAL SPECIFICATIONS:

MECHANICAL STROKE:	(ELECTRICAL STROKE) + (2 ±1)mm
FRICTION (SPRING FORCE):	1.8 kgf MAX.
MOUNTING HOLES:	REFER TO FIGURE 1
WEIGHT: LP-10FBS-3	APPROX. 80 g
LP-20FBS-3	APPROX. 100 g

ENVIRONMENTAL SPECIFICATIONS:

OPERATING TEMPERATURE:	-40° TO +100°C
VIBRATION:	10 Gs, 500 Hz
SHOCK :	50 Gs, 11 mS
LIFE:	5 MILLION CYCLES MIN.
A1 SEAL COMPLIANCE:	IP54

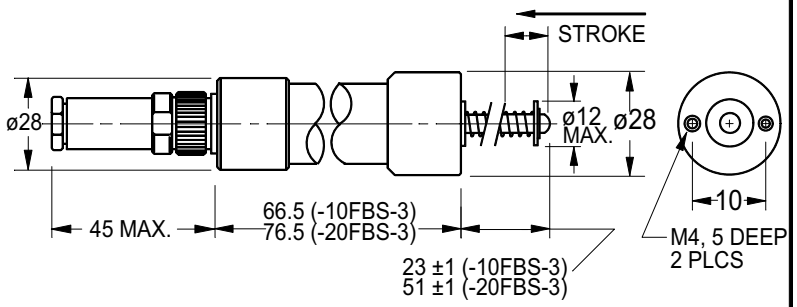

FIGURE 1 OUTLINE DIMENSIONS

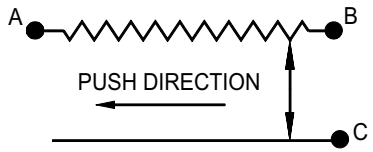

FIGURE 2 SCHEMATIC

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN mm(in).

TOLERANCES:
ANGLES ±1.5°
≤10 mm: ±0.25
<100 mm: ±0.5
≥100 mm: ±1

DRAWN T.TSUGAWA	DATE 08/06/98	SPECIFICATION DWG FOR MODEL LP-10FBS-3 LP-20FBS-3 SEALED, LINEAR POT. (WITH RETURN SPRING)	Midori America Corporation FULLERTON, CA
CHECKED	DATE		B-MAC-B23 A
APPROVED	DATE		
APPROVED	DATE		
SCALE:		FILE: LP-10FBS-3, LP-20FBS-3	1 OF1

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