

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

FRICION (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.

(A) SEAL COMPLIANCE:

IP54

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

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

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

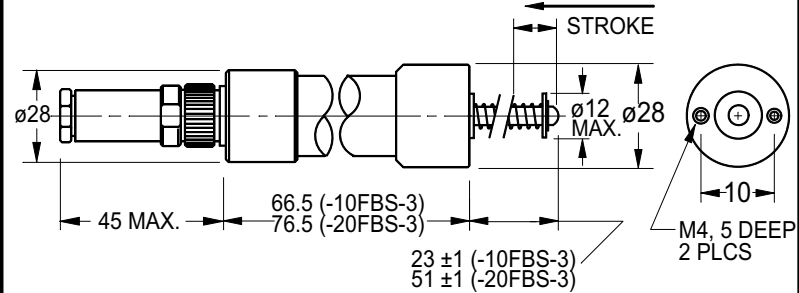


FIGURE 1 OUTLINE DIMENSIONS

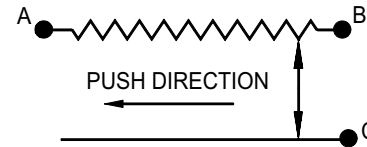


FIGURE 2 SCHEMATIC

DRAWN T. TSUGAWA	DATE 08/06/98
CHECKED	DATE
APPROVED	DATE
APPROVED	DATE
SCALE:	

SPECIFICATION DWG
 FOR
MODEL LP-10FBS-3
LP-20FBS-3
SEALED, LINEAR POT.
(WITH RETURN SPRING)

FILE: LP-10FBS-3, LP-20FBS-3

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 FULLERTON, CA

B-MAC-B23 A