SEE PAGE 2 FOR MOUNTING INSTRUCTIONS

ELECTRICAL SPECIFICATIONS

ELECTRICAL TRAVEL .................................................. 8
RESISTANCE .......................................................... SEE TABLE
RESISTANCE TOLERANCE .............................................. ±20%
ACCURACY (INDEPENDENT LINEARITY)
STD. ±0.36 mm ............................................................ SEE TABLE
BEST ±0.075 mm ..........................................................
POWER RATING
Watts per 50mm of electrical travel @ 70°C derated to 0 Watts @125°C 0.5
OUTPUT SMOOTHNESS (% of total applied voltage) 0.1
RESOLUTION ............................................................ INFINITE
INSULATION RESISTANCE (megohms @ 250VDC) 50 MΩ
TEMPERATURE RANGE (°C) .............................................. -40 to +125
DIELECTRIC ............................................................ 250VDC

MECHANICAL SPECIFICATIONS

ACTUATION FORCE (NEWTONS MAX) 0.56
REPEATABILITY (mm) ................................................... WITHIN ±0.013
LIFE (METERS OF CONTACT TRAVEL) 1.0 X 10^8

NOTES: UNLESS OTHERWISE SPECIFIED
1. DIMENSIONS ARE IN MILLIMETERS.
2. MOST SPECIFICATIONS MAY BE ALTERED TO MEET SPECIFIC REQUIREMENTS.
3. OTHER TRAVELS AVAILABLE.
4. NON-PRESSURE HEADER (M01) SHOWN, SEE FOLLOWING PAGES FOR ADDITIONAL STANDARD HEADERS.
5. O-RING SUPPLIED FOR SHIPPING ONLY. REMOVE BEFORE INSTALLATION.
6. DESIGN DETAILS SUBJECT TO CHANGE WITHOUT NOTICE.

BLACK (C) ...................................................... RETRACTED
RED (D) ............................................................ SCHEMATIC
BLUE (A) .............................................................
6.41 REF

HEADER DATUM

WIPER ASSY (REMOVABLE)
PERMANENT END BEARINGS

END BEARING
3 WIRE UNSHIELDED JACKETED CABLE. CONDUCTORS TO BE STRANDED 20 AWG TINNED COPPER, PVC INSULATED WITH CHROME SUNLIGHT RESISTANT PVC JACKET. COLOR CODE: BLACK, RED, WHITE.

M53106A-10SL-35 CONNECTOR INSTALLED ONE END.
H003 EXTERNAL MOUNT PRESSURE HEADER

PRESSURE RATING:
3000 PSI (200 BAR) WORKING
5000 PSI (345 BAR) PROOF.

MOUNTING
SAE J514 (REF)

OUTLINE
6300 H003

Duncan Electronics Division
BEI SENSORS & SYSTEMS COMPANY
Tustin, California

AV 11534 6300-100-H003 A

SCALE 1.5X 10-4-93 PAGE 1 OF 1
H004 INTERNAL MOUNT PRESSURE HEADER

PRESSURE RATING: 3000 PSI (200 BAR) WORKING
5000 PSI (345 BAR) PROOF.

1/2-20 UNF-2A

Duncan P/N 14-15-66-34
O-RING PARKER SEAL
3-905 NS07-90
HEADER DATUM

DETAIL C
SCALE: 2.5X

MOUNTING
SAE J514 (REF)

Duncan Electronics Division
BEI SENSORS & SYSTEMS COMPANY
Tustin, California

OUTLINE
6300 H004
CAUTION
MOUNT SLIDER ASSY WITH WHITE SURFACE THIS SIDE FACING THE HEADER, CONTACT WILL BE DAMAGED IF REVERSED.

OUTLINE

TO ORDER SPECIFY DUNCAN MODEL 6300-1102

MOUNTING

REQUIREMENTS:
- RETAINING RING WALDES TRUARC N5000-77-S-PP DUNCAN P/N 1-53-3
- FLAT WASHER-SST O.D. 19.0 I.D. 12.8 THICKNESS 0.51 DUNCAN P/N 2-136-4

WAVE SPRING WASHER SEASTROM MFG. CO. INC. 5806-28-1 DUNCAN P/N 1-108-1

DUNCAN ELECTRONICS DIVISION
BEI SENSORS & SYSTEMS COMPANY
Tustin, California

OUTLINE/MOUNTING INSTRUCTIONS
SLIDER ASSEMBLY

DRAWN
STARBACKER
11-4-93

DESIGN
STOCKED
GALVAN

ENG. APPROVAL
GALVAN
J. HALL

SIZE
AV 11534
FINISH
6300-1102

ENG. NO.
6300-1102-0-0

REV.
A

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