

Features

- Small diameter
- Wide resistance range
- Good resolution
- Linear tapers
- Cermet element

Additional Information

Click these links for more information:











3862 – 1/2 "Diameter Single-Turn Panel Control

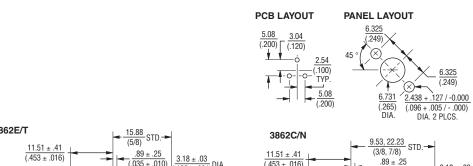
| Initial Electrical Characteristics ¹ | |
|--|--|
| | |
| Standard Resistance Range | |
| Total Resistance Tolerance | (A Taper) ±10 % |
| | (H Taper) ±5% |
| Independent Linearity | ±5 % |
| Absolute Minimum Resistance | 2 ohms maximum |
| Effective Electrical Angle | |
| Contact Resistance Variation | ±3 % or 6 ohms (whichever is greater) |
| Dielectric Withstanding Voltage (MIL-STD-202, Method 301) | , |
| Sea Level | 750 VAC minimum |
| 70,000 Feet | |
| Insulation Resistance (500 VDC) | 1.000 megohms minimum |
| Power Rating (Voltage Limited by Power Dissipation or 350 VAC, Whichever is | Less) |
| +70 °C | 1 watt |
| +125 °C | |
| Theoretical Resolution | |
| | , |
| Environmental Characteristics ¹ | |
| Operating Temperature Range | |
| Storage Temperature Range | -65 °C to +125 °C |
| Temperature Coefficient Over Storage Temperature Range | |
| Vibration | |
| Total Resistance Shift | ±2 % maximum |
| Voltage Ratio Shift | ±6 % maximum |
| Shock | 50 G |
| Total Resistance Shift | ±2 % maximum |
| Voltage Ratio Shift | ±6 % maximum |
| Load Life | 1,000 hours |
| Total Resistance Shift | ±3 % maximum |
| Rotational Life, No Load | |
| (C & N Bushings) | |
| (E & T Bushings) | |
| Total Resistance Shift | ±5 % maximum |
| Contact Resistance Variation | ±3 % or 6 ohms (whichever is greater) |
| Moisture Resistance (MIL-STD-202, Method 106, Condition B) | |
| Total Resistance Shift | |
| Insulation Resistance (500 VDC) | 100 megohms minimum |
| Salt Spray | |
| IP Rating | IP 40 |
| Mechanical Characteristics ¹ | |
| Stop Strength | 33 N-cm (3 lh -in) maximum |
| Mechanical Angle | |
| Torque | 200 10 |
| Starting and Running | 3 53 N-cm (5 oz -in) maximum |
| Mounting (Torque on Bushing) | |
| Shaft Locking Torque with Locking Bushings | |
| Weight (Single Section) | |
| | |
| Terminals | |
| Soldering Condition | |
| Maximum temperature 399 °C (750 °F) for 3 seconds. No wash process to be used with no clean flux. Part can be wave soldered at 260 °C (500 °F) for 5 seconds, no wash process with no clean flux. | |
| MarkingManufacturer's trademark, wir | |
| GangingManulacturer's trademark, wir | |
| Hardware One lockwasher (L 27.1) and | Lone mounting nut (H-38-1) is shipped with each notentiameter. |
| Hardware | |
| looking bushing versions are shipped with one additional looking flut (11-00-0). | |

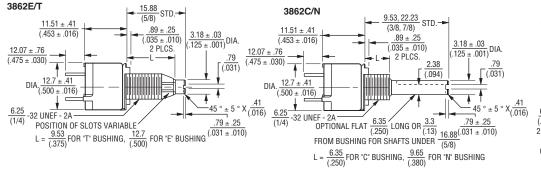
¹ ELECTRICAL SPECIFICATIONS TESTED AT 250 RPM, AT ROOM AMBIENT: +25 °C NOMINAL.

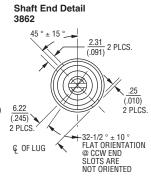


3862 - 1/2 " Diameter Single-Turn Panel Control

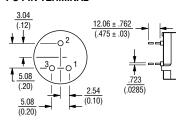
Product Dimensions



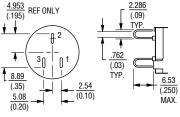


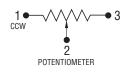


PC PIN TERMINAL



J-HOOK TERMINAL 4.953 REF ONLY (.195)





MM DIMENSIONS: (INCHES)

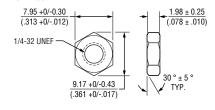
Hardware

LOCKWASHER H-37-1 12.07 ± 0.25 0.64 ± 0.05 $(.025 \pm .002)$

Date Code Description

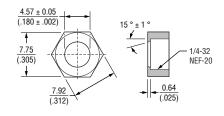


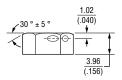
NUT H-38-1



MM DIMENSIONS: (INCHES)

LOCKING NUT H-38-3

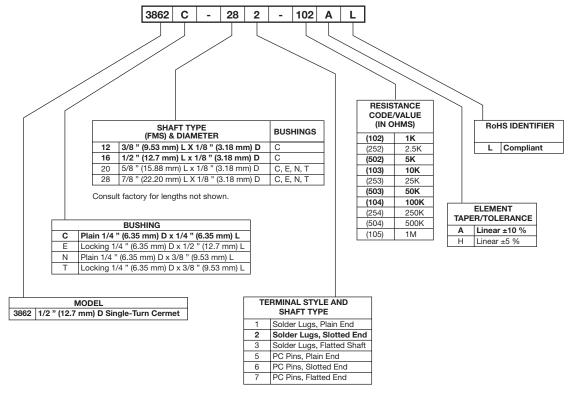




Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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