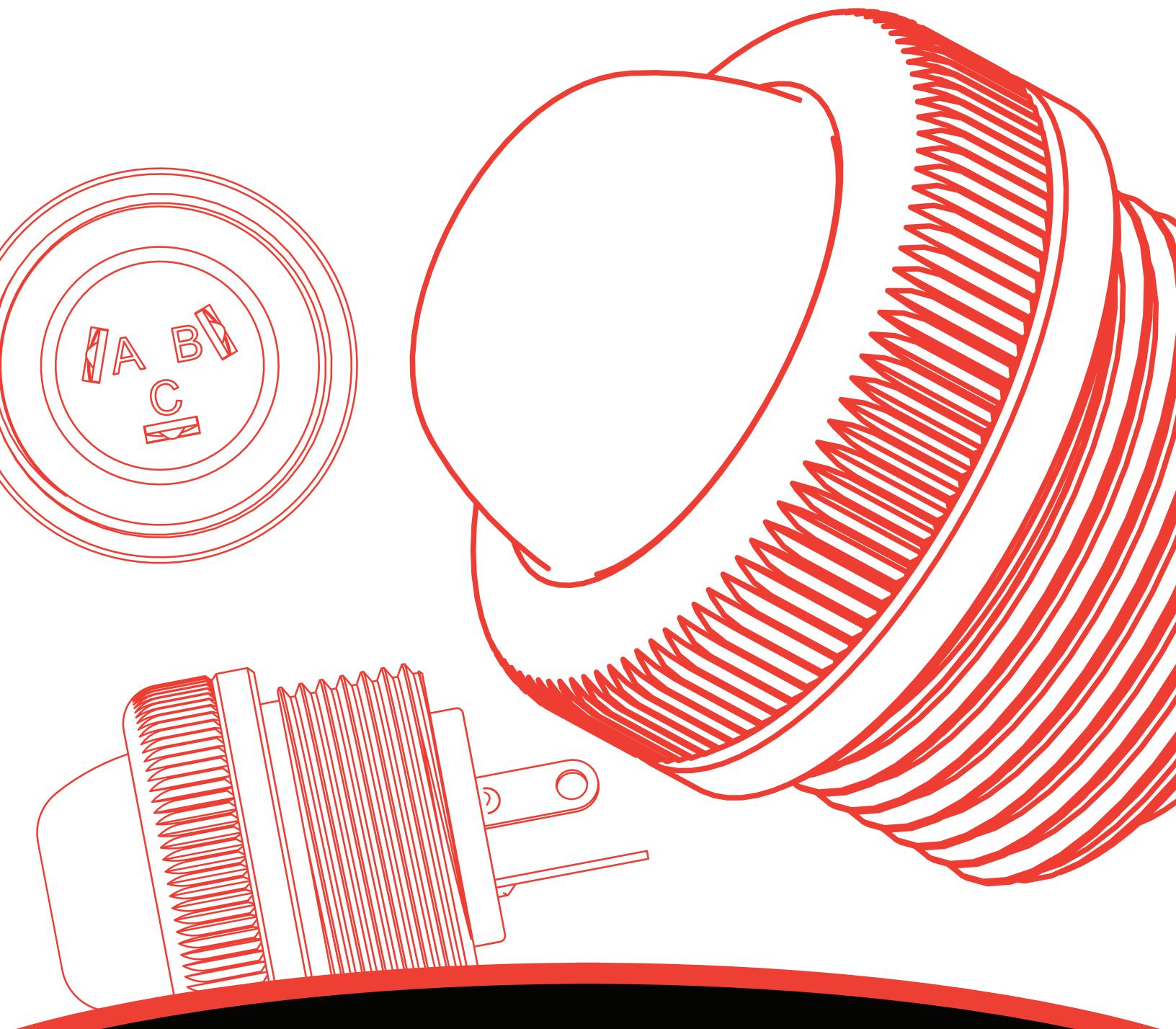


SWITCHCRAFT®

A HEICO COMPANY



SEALED BUTTON SWITCH

NPB | 606

SEALED BUTTON SWITCH

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FEATURES & BENEFITS

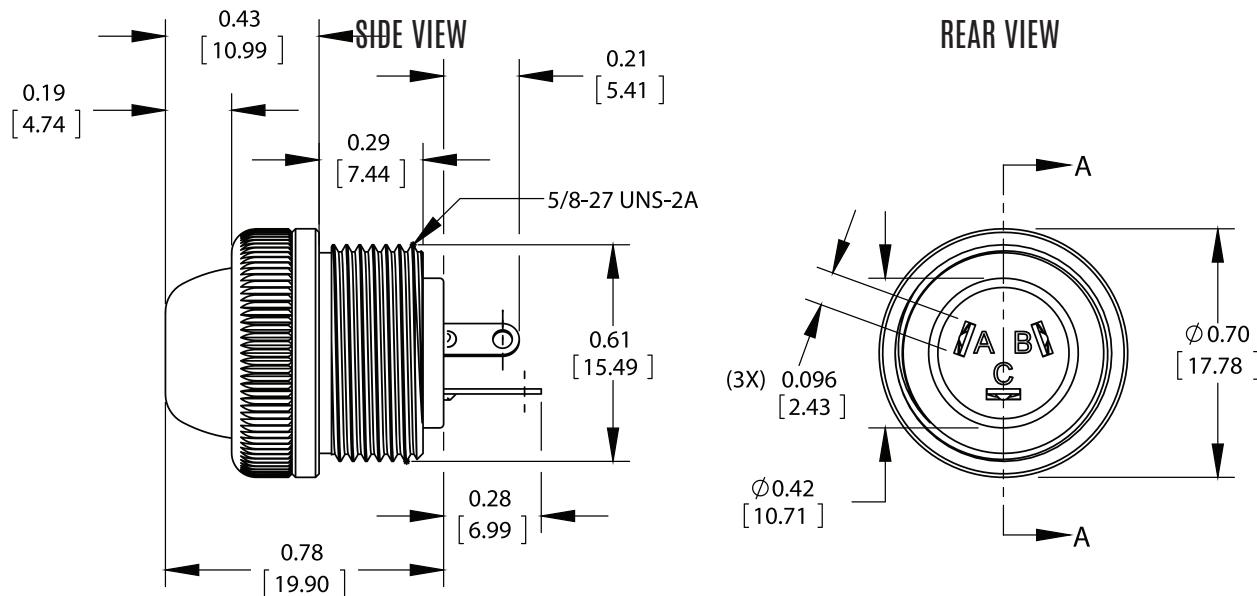
- Rated for up to IP68 NEMA 250
- Rated for 250mA, 30W max, AC non-inductive load
- 913S can be wired for 1-A, 1-B, or 1-C (break before make)
- 913DS can be wired for 1-A, 1-B, or 1-D (make before break)
- RoHS Compliant

APPLICATIONS

- Communications equipment
- Medical Equipment
- Instrumentation

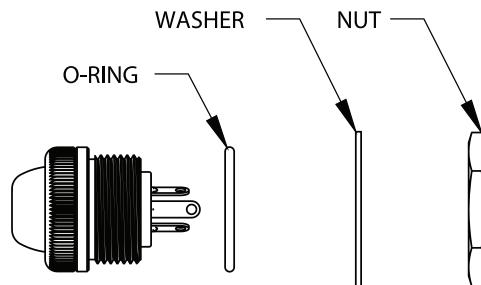
SEALED BUTTON SWITCH

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NOTES:

1. MOUNTING HOLE $\phi 0.615+0.010/-0.000$ [$\phi 16.00+0.25/-0.00$]
2. MAX PANEL THICKNESS: ≤ 0.120 [3.00]
3. HARDWARE SHIPPED UNASSEMBLED
4. THIS PART IS RoHS COMPLIANT



| PART NUMBER | SCHEMATIC | CIRCUIT |
|---------------|-----------------------|---------|
| 913DS 913S | A → V C → | 1-A |
| 913DS 913S | C → B → Δ | 1-B |
| 913S | A → V C → Δ B → | 1-C |
| 913DS | C → B → Δ A → V | 1-D |

UNITS ARE LISTED IN INCHES [mm]. ALL DIMENSIONS ARE REFERENCE ONLY.

SEALED BUTTON SWITCH

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SPECIFICATIONS

MECHANICAL SPECIFICATIONS

| | |
|-------------------|---|
| Life: | 20,000 actuation cycles with 48VDC, 0.25amps (50 mΩ max) |
| Conductor Sizes: | 20,000 actuation cycles with 125VAC, 0.25amps (50 mΩ max) |
| Operating Forces: | 16-26 AWG |
| | Actuation Force: 2lb. minimum |
| | Button Travel: 0.125" |

ELECTRICAL SPECIFICATIONS

| | |
|----------------------------------|--|
| Voltage Rating: | 48 VDC |
| | 125 VAC RMS |
| Current Rating: | 0.25amps with 16-26 AWG wiring |
| Insulation Resistance: | 1000 MΩ minimum |
| Contact Resistance: | 20 mΩ maximum initial |
| Dielectric Withstanding Voltage: | 500 VAC (RMS) |
| Capacitance: | < 1 pF between contacts, typical |
| | < 1 pF between contacts and housing, typical |

ENVIRONMENTAL SPECIFICATIONS

| | |
|------------------------------|--------------------------|
| Operating Temperature: | -20C to +70C |
| Storage Temperature: | -55C to +85C |
| Moisture Resistance: | Mil-Std 202G Method 106G |
| Thermal Shock: | Mil-Std 202G Method 107G |
| Salt Atmosphere (Corrosion): | Mil-Std 202G Method 101E |
| Weathertight Ratings: | IP68, NEMA 250 |

MATERIAL SPECIFICATIONS

| | |
|-------------------|-----------------------------|
| Body and Trim: | Copper Alloy, Nickel Plated |
| Pushbutton: | Thermoplastic, Black |
| Button Seal: | Thermoplastic Rubber, Black |
| Insulators: | Rigid Plastic |
| Springs: | Integral Contacts, Plated |
| Solder Terminals: | Copper Alloy, Silver Plated |
| Mounting Nut: | Copper Alloy, Nickel Plated |
| Mounting Washer: | Steel, Nickel Plated |

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[913S](#) [913DS](#)