NEW PRODUCT BULLETIN 627

HS SERIES
DURA-PULL™
PUSH-PULL
CONNECTORS

MADE IN THE U.S.A.

Switchcraft
CONXALL®
HARSH ENVIRONMENT CONNECTIVITY SOLUTIONS
HS Series Dura-Pull™ Push Pull Connectors

Durable nickel plated brass housing is sealed to IP68

“Push-Pull” locking mechanism is easy to operate while eliminating accidental disconnection

Available with up to 9 contacts

Cable to cable in-line connector also available

FEATURES

- Easy, blind mating
- Compact, 1/2” connector size
- Waterproof to IP68
- 360 ° EMI Shielding
- Available with #20 contacts or #26 contacts
- Flush mounting front mount panel connector
- Contacts can be soldered or crimped (shipped unassembled, assembly tools available)
- Optional IP68 sealed caps available
- Three cable clamp sizes accommodate a wide range of cable diameters up to 5.5mm

APPLICATIONS

- Medical devices
- Audio connections
- Outdoor data acquisition devices
- Test and Measurement
- Agriculture electronics
- Safety and Security
- Harsh environments
- General electronic applications
HS Series Dura-Pull™ Push Pull Connectors

OVERALL DIMENSIONS

CONNECTOR MATING VISUAL AID, STANDARD RED SHOWN

ORDERING CODE

HS2 X X X XX X - X

Dura-Pull Series

Connector Type:
C - Cable-End
P - Panel, Front-Mount
L - Cable-to-Cable

# of contacts:
2-5 for #20
6-9 for #26

Sealing Caps (Optional)
Cable End: HS2CCAP
Panel: HS2PCAP
Cable to Cable: HS2LCAP

Gender:
M - Male (Pin)
F - Female (Socket)

Options:
K - Kit Packaging (one unit/bag)
[BLANK] - Bulk Packaging
Consult factory for other options

Contact Size:
20 - 20, 22, 24, 26 AWG wires
26 - 26, 28, 30 AWG wires

VISIT WWW.SWITCHCRAFT.COM FOR THE MOST UP-TO-DATE PRODUCT SPECIFICATIONS
**SPECIFICATIONS**

**MECHANICAL:**
- Mating / Locking Type: Push-Pull automatic locking/unlocking
- Life: 5,000 cycles minimum
- Operating Forces: 10 lb. [44.5 N] max. Insertion/Withdrawal
- Vibration: Mil-Std 202G Method 201A
- Panel Hex Nut Tongue: 40 in-lb [4.5 Nm] maximum
- Cable Securing System: Threaded on metal clamp

**ELECTRICAL:**
- Voltage Rating: 125 V AC/DC for 2-5 contacts
  30 V AC/DC for 6-9 contacts
- Current Rating: 10A max for 2 position
  2A max for 9 position
  Refer to website for detailed information
- Insulation Resistance: 1000 MΩ minimum
- Contact Resistance: 10 mΩ typical

**ENVIRONMENTAL:**
- Temperature Limits: -40°C to +135°C (-40°F to +275°F)
- Operating Temperature: Refer to website for detailed information
- Moisture Resistance: Mil-Std 202G Method 106G
- Insulation Resistance: Mil-Std 202G Method 302
- Thermal Shock: Mil-Std 202G Method 107G
- Salt Atmosphere: Mil-Std 202G Method 101E
- Ingress Protection: IP66, IP67, IP68 per IEC60529, NEMA 250 6P

**MATERIAL:**
- Outer Shell: Copper Alloy, electroless nickel plated
- Hex Nut: Copper Alloy, nickel plated
- Interior Metal Components: Copper Alloy, nickel plated
- Ground Spring Washer: Stainless Steel
- Electrical Insulator: Medical Technology LCP, natural
- Seal O-rings: Silicone, red
- Contacts: Copper Alloy, gold plated