

HS SERIES  
**DURA-PULL™**  
PUSH-PULL  
**CONNECTORS**



**Switchcraft®**  
**CONXALL®**

HARSH ENVIRONMENT CONNECTIVITY SOLUTIONS

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

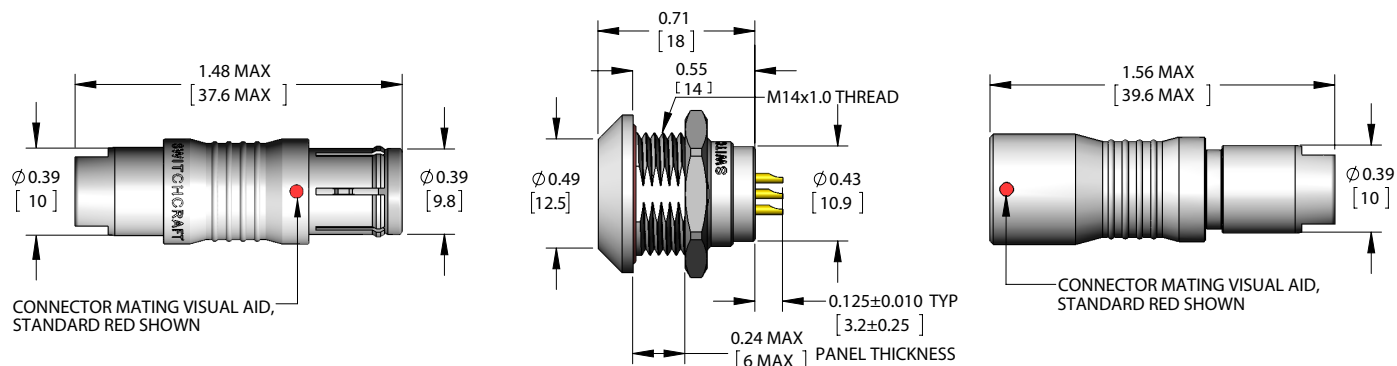
- Easy, blind mating
- Compact, 1/2" connector size
- Waterproof to IP68
- 360 ° EMI Shielding
- Available with #20 contacts or #26 contacts
- Flush mounting front mount panel connector
- Contacts can be soldered or crimped (shipped unassembled, assembly tools available)
- Optional IP68 sealed caps available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

## APPLICATIONS

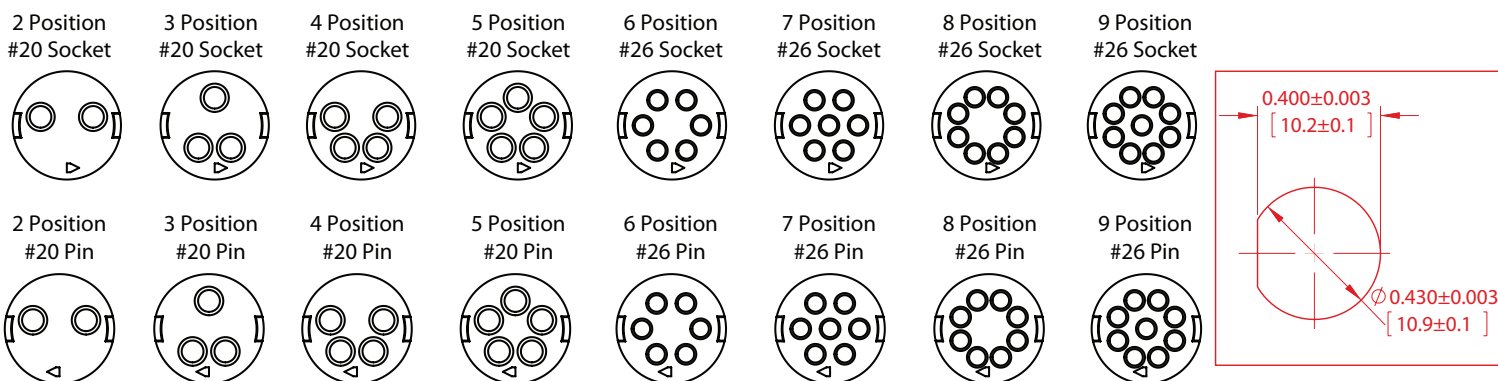
Medical devices  
Audio connections  
Outdoor data acquisition devices  
Test and Measurement  
Agriculture electronics  
Safety and Security  
Harsh environments  
General electronic applications



## OVERALL DIMENSIONS



## CONTACT LAYOUTS (REAR/WRING SIDE) / RECOMMENDED PANEL CUTOUT



## ORDERING CODE

**HS2 X X X XX X - X**

HS2Series

Connector Type:

**C** - Cable-End  
**P** - Panel Mount  
**L** - Cable-to-Cable

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

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

Options:

**B** - Rear Mount (panel only)  
**K** - Kit Packaging (one unit/bag)  
**A** - Factory Installed Contacts  
**[BLANK]** - Bulk Packaging

Clamp Set per Cable O.D. Range  
for Cable-End and Cable-to-Cable only:

**A** - 0.110 - 0.140 [2.8 - 3.6]  
**B** - 0.140 - 0.180 [3.6 - 4.6]  
**C** - 0.180 - 0.216 [4.6 - 5.5]

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

Sealing Caps (Optional)

Cable End: **HS2CCAP**

Panel: **HS2PCAP**

Cable to Cable: **HS2LCAP**



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



# Mouser Electronics

Authorized Distributor

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[HS2C3M20C](#)