

M23 STAINLESS STEEL

M23 Connectors for Signal & Power Transmission



- ▶ **Optimised Design**
- ▶ **Corrosion Resistant**
- ▶ **Reliable Contact Technology**
- ▶ **Environmentally Sealed to IP67**

CORROSION RESISTANT

The Smiths Connectors M23 Stainless Steel series have been specifically developed for applications operating in highly corrosive environments. Manufactured from high grade stainless steel and advanced polymers, these connectors are ideally suited for use in the Medical, Pharmaceutical, Maritime, Automotive and Food and Beverage Industries. Environmentally sealed to IP67 and chemically resistant to both Lye and Acids, these connectors are protected against the harshest of Industrial processing environments.

OPTIMISED DESIGN

In addition to specialist materials, these connectors feature a smooth outer body design to aid industrial wash down processes, by preventing the entrapment of dirt and contaminants. A complete range of options and accessories are available as standard, making this series suitable for a wide range of applications.

HYPERTAC HYPERBOLOID CONTACT

Hyperboloid contact technology is ideally suited for use in harsh and demanding environments where high reliability and safety are critical. The electrical and mechanical characteristics of the contact ensure unrivalled performance in terms of reliability, number of mating cycles, low contact forces and electrical stability over time.

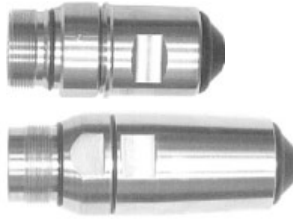
These performance characteristics provide a real commercial benefit in terms of the total installed cost of ownership.

TYPE OVERVIEW

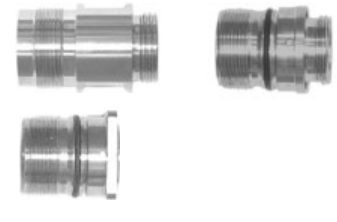
PART SQNV, LQNV *Plug*



PART SSNV, LSNV *Extension*



PART SGGV, SGHV, LEKV *Straight Receptacle*



PART LDEV, LDFV *Bushing*



PART LGIV, LDEV..01 *Fixed 90° Receptacle*



PART LDEV..02, LGGV..02 *Rotateable 90° Receptacle*



For more types please contact factory

M23 STAINLESS STEEL

TECHNICAL CHARACTERISTICS

FEATURES

- ▶ Long life and low rate of wear through excellent shock and vibration resistance
- ▶ Electrical continuity ensuring failure free performance
- ▶ Easy assembly
- ▶ Corrosion resistant
- ▶ Environmentally sealed
- ▶ Vibration resistant
- ▶ RoHS compliant
- ▶ UL/CSA approval file No. 178462

SPECIFICATIONS

- ▶ **Shell:** V2A (V4A on demand)
- ▶ **Inserts:** PA, PBT
- ▶ **Contacts:** CuZn alloy
- ▶ **Contact plating:** gold-plated, nickel-plated
- ▶ **Sealing:** FKM, EPDM
- ▶ **Storage conditions:** -40°C to 70°C/humidity 40%
- ▶ **Operating temperature:** -40°C to 125°C
- ▶ **IP-Code:** IP 67 (mated)
- ▶ **Signal**
 - ▶ **Max. nominal current:** 9 A @ 20°C
 - ▶ **Max. operating voltage:** 50 V ~ / 120V =
 - ▶ **Contact resistance:** <3 mΩ
- ▶ **Power**
 - ▶ **Max. nominal current:** 22 A @ 20°C
 - ▶ **Max. operating voltage:** 630 Vrms
 - ▶ **Contact resistance:** <3 mΩ

smiths connectors

FOR MORE INFORMATION | smithsconnectors.com |    