

# **XLR - SEALED SERIES**

NEW PRODUCT BULLETIN 604



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# **XLR - SEALED SERIES**

### **NEW PRODUCT BULLETIN 604**



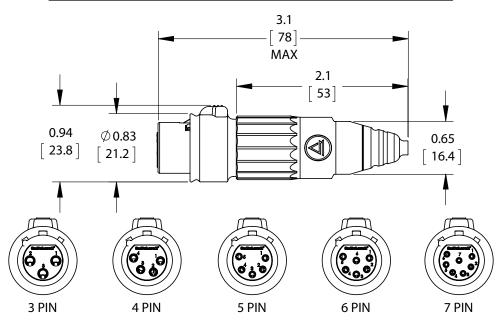
#### **FEATURES & BENEFITS**

- Panel connector sealed to IP68
  NEMA 250 (6P) unmated
- Mated pairs sealed to IP66
- Cable, panel & cable to cable options
- Silver or Gold plated contacts
- RoHS Compliant

#### **APPLICATIONS**

- Outdoor communications equipment
- Audio Applications
- Instrumentation
- Stage Lighting

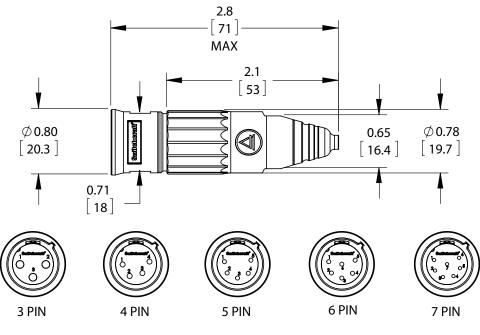
### NEW PRODUCT BULLETIN 604



#### SEALED AAA SERIES XLR CORD CONNECTORS-FEMALE ONLY

CONTACTS AS VIEWED FACING CORD CONNECTORS

#### **SEALED AAA SERIES XLR IN-LINE CONNECTORS-MALE ONLY**

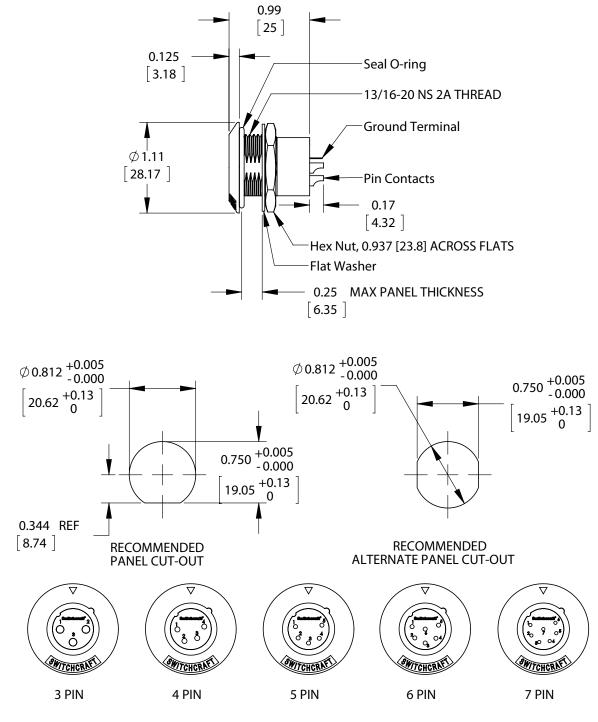


CONTACTS AS VIEWED FACING IN-LINE CONNECTORS

ALL DIMENSIONS ARE REFERENCE ONLY

### NEW PRODUCT BULLETIN 604

#### **SEALED AAA SERIES XLR PANEL-MOUNT CONNECTORS - MALE ONLY**



CONTACTS AS VIEWED FACING PANEL-MOUNT CONNECTORS

ALL DIMENSIONS ARE REFERENCE ONLY

# **XLR - SEALED SERIES**

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# **SPECIFICATIONS**

#### **MECHANICAL SPECIFICATIONS**

Life:	1000 minimum insertion / withdrawal cycles
Wire Sizes:	14-26 AWG
Operating Forces:	Insertion: 8lb. nominal, 10lb. maximum
	Withdrawal: 5lb. nominal, 7lb. maximum

#### **ELECTRICAL SPECIFICATIONS**

Voltage Rating:	125 VRMS
Current Rating:	15A with 14 AWG wiring
	12A with 16 AWG wiring
	10A with 18 AWG wiring
	8A with 20 AWG wiring
	6A with 22 AWG wiring
	4A with 24 AWG wiring
	3A with 26 AWG wiring
Insulation Resistance:	1000 M $\Omega$ minimum, initial
Contact Resistance:	50 m $\Omega$ maximum
Dielectric Withstanding Voltage:	1000 V (rms)
Capacitance:	≤3 pF between contacts
	≤6 pF between contacts and shell

#### **ENVIRONMENTAL SPECIFICATIONS**

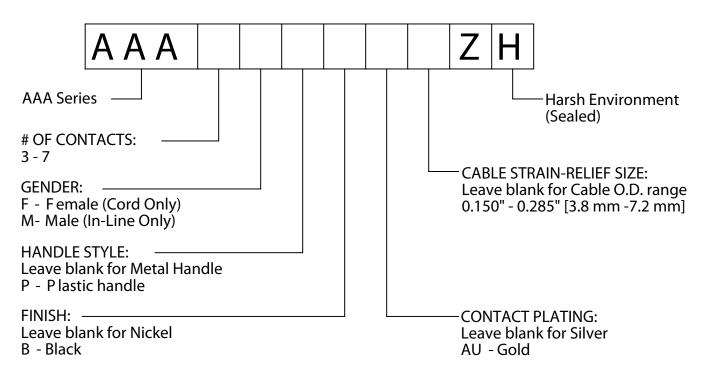
Operating Temperature Rating:	-40°C to +65°C (-40°F to +149°F)
Moisture Resistance:	Mil-Std 202G Method 106G
Insulation Resistance:	Mil-Std 202G Method 302 condition B
Thermal Shock:	Mil-Std 202G Method 107G
Salt Atmosphere (Corrosion):	Mil-Std 202G Method 101E condition B
Weathertight Ratings:	Panel, Cord & In-Line Connectors: IP66 when mated
	Panel-Mount Connectors: IP68, NEMA 250(6P) unmated

#### **MATERIAL SPECIFICATIONS**

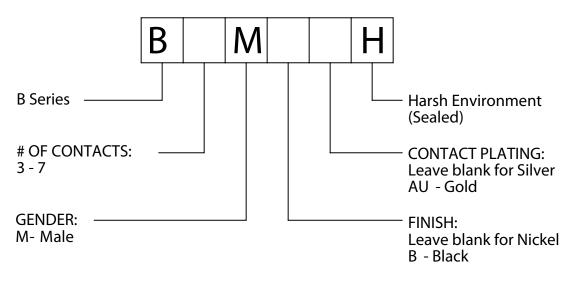
Shell:	Die-cast Zinc Alloy, Nickel or Black finish
Insulator Insert:	Thermoplastic, Green
Contacts, Pins or Sockets:	Copper Alloy, Silver or Gold plated
Ground Spring Terminal:	Copper Alloy, Tin plated
Latch:	Die-cast Zinc Alloy, Nickel plated
Handle:	Die-cast Zinc Alloy, Nickel plated or Black Finish
	Black Thermoplastic option available
Cable Clamp:	Thermoplastic, Black
Seal Boot, Ring, Cable Strain Relief:	Elastomer

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## **ORDERING CODE: CORD AND IN-LINE CONNECTORS**



#### **ORDERING CODE: PANEL-MOUNT CONNECTORS**



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