Switchcraft®

Shielded Mini XLR Tini-QG® Series

New Product Bulletin 591

Shielded Tini-QG®

Features & Benefits:

- Protects circuits from EMI & RF interference
- Sturdy construction with rugged precision machined metal parts and high dimensional stability thermoplastic molded parts
- Latchlock – positive latching systems assures high integrity vibration resistant mating
- Strain relief available for all versions

Tini-QG® Cap

Features & Benefits:

- Provides dust protection for the panel when not connected to cable end
- IP rating of IP50
- Flexible thermoplastic elastomer construction

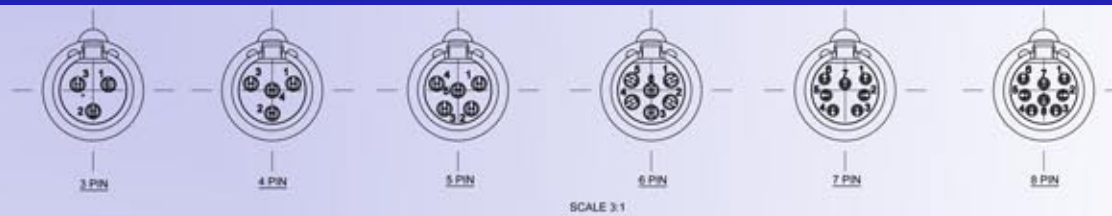
Switchcraft®
Harsh Environment
Connectivity Solutions

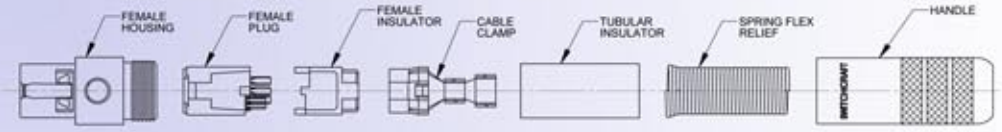
MADE IN USA

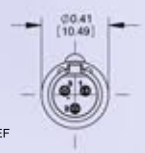
Switchcraft.com
5555 N. Elston Avenue, Chicago, IL 60630
Phone: 773-792-2700 - Fax: 773-792-2129

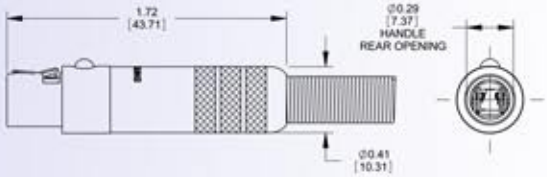
Switchcraft®

Shielded Mini XLR Tini-QG® Series









T A * * * S H *

- NUMBER OF CONTACTS
  - 3- 3 CONTACTS
  - 4- 4 CONTACTS
  - 5- 5 CONTACTS
  - 6- 6 CONTACTS
  - 7- 7 CONTACTS
  - 8- 8 CONTACTS
- CONTACTS
  - M- MALE
  - F- FEMALE
- CONTACT PLATING
  - BLANK - SILVER (STANDARD)
  - AU - GOLD
- SPRING FLEX RELIEF
  - BLANK - NONE
  - F - SPRING FLEX RELIEF

Tini-QG® Cap Specifications:

Material Specifications: Thermoplastic elastomer

Part Numbers:
TINICAP
TINICAPTB

Shielded Tini-QG® Specifications:

Electrical Specifications (3-5 Cord Mount Only)

Contact Resistance: .010 ohms maximum after life (and after salt spray)
Current Rating (Carry Only): 5 A, 125 VAC (4 A, 125 VAC on 5 circuit) based on 30°C Maximum
Insulation Resistance: 510,000 MΩ minimum @ 500 VDC (initial); 10,000 MΩ minimum (after humidity test)
Dielectric Strength: 1,000 V (rms)

Electrical Specifications (6-8 Cord Mount and all receptacles & adapters)

Contact Resistance: 0.010 ohms maximum after life
Current Rating (Carry Only): 1.5 A, 125 VAC based on 30°C Maximum
Insulation Resistance: 510,000 MΩ minimum @ 500 VDC (initial)
Dielectric Strength: 250 V (rms)

Material Specifications

Housing: Copper alloy, nickel plated
Contacts: Copper alloy, silver or gold plated
Cable Clamp/Ground Terminal: Steel, electro-tin plated
Inserts and Insulating Spacer: Thermoplastic (UL-94V-0)
Handle: Copper alloy, nickel plated
Latch (female only): Copper alloy, nickel plated
Latch Button (female only): Thermoplastic
Tubular Insulator: Fish paper
Spring Flex Relief (optional): Stainless steel

Mechanical Specifications (3-5 Cord Mount Only)

Life: 5,000 operations minimum
Insertion/Withdrawal Forces (after life): 6.1 lb/2.77 kg insertion; 5.6 lb/2.54 kg withdrawal
Solderability Standard: Meets EIA RS-186-9E
Mechanical Shock: Meets MIL-STD-202. method 213B
Vibration: Meets MIL-STD-202, Method 201A
Wire Size: #22 wire gauge solid; #24 wire gauge stranded

Mechanical Specifications (6-8 Cord Mount and all receptacles & adapters)

Life: 2,000 operations minimum
Insertion/Withdrawal Forces (after life): 13 lb/5.9 kg insertion; 13 lb/5.9 kg Maximum withdrawal
Solderability Standard: Meets EIA RS-186-9E
Mechanical Shock: Meets MIL-STD-202. method 213B
Vibration: Meets MIL-STD-202, Method 201A
Wire Size: #28 wire gauge stranded

Environmental Specifications

Thermal Range: -55°C to + 85°C
Humidity: Meets MIL-STD-202, method 106D
Thermal Shock: Meets MIL-STD-202, method 107D
Salt Spray: Meets MIL-STD-202, method 101

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