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**TITLE:** MICRO-D METAL SHELL STRAIGHT W/ O-RING/GASKET

**REV:** D

**DTM:** CRISTEK.COM 888.265.9162
### MICRO-D METAL SHELL
### STRAIGHT W/ O-RING/GASKET

**MDW-X XXX - X X X X - X**

- **EMI SPRINGS**: E = EMI SPRINGS (PLUG ONLY)
- **O-RING**: C = O-RING CONDUCTIVE
- **D = O-RING ELECTRIC**
- **S = SQ GASKET CONDUCTIVE**

**WIRE LENGTH**
- STRANDED (+1.00 / -0.00)
  - 1 = 6 INCHES
  - 2 = 12 INCHES
  - 3 = 18 INCHES
  - 4 = 24 INCHES
  - 5 = 36 INCHES
  - 6 = 72 INCHES
  - SOLID COPPER (+0.20 / -0.00)
  - 1 = 0.5 INCH
  - 2 = 1.0 INCH
  - 3 = 0.25 INCH

**WIRE SIZE**
- STRANDED WIRE
  - 0 = 26 AWG
  - 1 = 24 AWG
  - 2 = 28 AWG
  - SOLID WIRE
  - 0 = 25 AWG
  - 1 = 24 AWG

**WIRE COLOR/TYPE**
- 0 = WHITE STRANDED*
- 1 = YELLOW STRANDED
- 2 = 10 SOLID COLORS REPEATED*
- 3 = FULL COLOR CODE STRANDED
- 9 = SOLID COPPER*

**TERMINATION**
- 00000 = SOLDER CUP

**WIRE TYPE**
- STRANDED
  - H = HARNESS (MIL-W-16878/4)
  - S = SPACE (MIL-W-22759/33)
  - M = MILITARY (MIL-W-22759/11)*
- SOLID
  - G = GOLD PLATED COPPER
  - T = TIN/LEAD PLATED COPPER

* = MOST COMMONLY USED & STOCKED WIRE TYPES AND HARDWARE OPTIONS

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**SERIES MDW**
**CRISTEK INTERCONNECTS, INC.**

**MDW-X XXX - X X X X - X**

**2.**
**1.**
**4.**

**1. MATERIALS:**
- SHELL - ALUMINUM ALLOY OR STAINLESS STEEL
- INSULATOR/BACKSHELL - GLASS FILLED THERMOPLASTIC
- PIN/SOCKET CONTACT - COPPER ALLOY INTERFACIAL SEAL - FLUOROSILICONE BLEND GROUND SPRINGS - BERYLLIUM COPPER

**2. FINISH:**
- SHELL - SEE OPTIONS ABOVE
- PIN/SOCKET CONTACT - GOLD OVER NICKEL GROUND SPRINGS - GOLD OVER NICKEL

**3. SPECIFICATIONS:**
- CURRENT RATING .......................... 3 AMPS MAX
- TEMPERATURE RATING .................. -55° C TO +125° C
- INSULATION RESISTANCE ............. 5000 MEGOHMS MIN
- DWV AT SEA LEVEL .................... 600 VAC
- DWV AT 70,000 FT ALTITUDE ...... 150 VAC
- CONTACT RESISTANCE .............. 24 AWG = 25 MILLIOHMS MAX
- CONTACT RETENTION ................ 5 lb MINIMUM AXIAL LOAD
- ENGAGEMENT FORCE .................. 6 oz MAX
- SEPARATION FORCE ................... 0.5 oz MIN

**4. ADDITIONAL INFORMATION:**
- DESIGN AND PERFORMANCE IN GENERAL ACCORDANCE WITH MIL-3513 WHERE APPLICABLE.
- CONTACT CRISTEK FOR RoHS AND OTHER CONFIGURATIONS.

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**TOLERANCE: .XXX ± .005**
- .XX ± .01
- ANGLE ± 1°

**TITLE**
- MICRO-D METAL SHELL STRAIGHT W/ O-RING/GASKET

**SH/T** 2 OF 2
**DWG. NO.** MDW
**REV** D

**CRISTEK.COM** 888.265.9162