

HEAVY DUTY CYLINDRICAL CONNECTORS

MIL-DTL-22992 Style, QWLD



LEX
Connector Solutions

15751 SW 41 Street Ste. 300 | Davie, FL 33331 | Telephone: 954.888.1024 | Fax: 954.888.1026

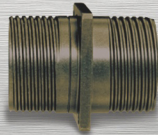
www.lexconnectors.com

HEAVY DUTY CYLINDRICAL CONNECTORS

MIL-DTL-22992 Style, QWLD



wall mount receptacle



thru bulkhead receptacle



jam nut receptacle
(wall mount)



straight plug



jam nut receptacle
(box mount)



box mount receptacle



cable connecting plug

MIL-DTL-22992, STLYE, QWLD Series Heavy Duty Cylindrical Connectors provide reliable power and control functions in hostile environments where ordinary connectors cannot survive.

The design features of this connector series provide:
High Durability

Water and explosion proof, resistant to abrasion, corrosion, vibration and shock

Quick, Positive Mating

Double stub threads per MIL-STD-1373 for fast coupling, easily cleaned Selection

Over 300 industrial and MS insert patterns available, including coaxial and thermocouple

Outstanding design features that make these cylindricals a necessity for difficult applications include:

Alumilite 225* hard anodic finish for abrasion and corrosion resistance or conductive cadmium plate

Resilient inserts for moisture sealing, positive proof against shock and vibration

Sealing gaskets at every joint for waterproof assembly

Cable strain relief provided by clamp bar type accessories

Left hand accessory threads to prevent damage from disconnect torque applied in the wrong direction

QWLD, MS-STYLE CONNECTORS

To illustrate the ordering procedure, part number MS17343R20N27PW is shown as follows:

PART NUMBER

| | | | | | | |
|---------|---|----|---|----|---|---|
| TM17343 | R | 20 | N | 27 | P | W |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

1. MS Number

TM17343 designates wall mount receptacle

TM17344 designates straight plug

TM17345 designates cable connecting plug

TM17346 designates box mount receptacle

TM17347 designates jam nut receptacle with rear accessory threads (wall mount)

TM17348 designates jam nut receptacle (box mount)

2. Class

C designates pressurized – used where circuit integrity is protected by a pressure differential. R designates environmental

3. Shell Size

Available in shell sizes 12 through 44

4. Shell Finish

C for conductive or N for non-conductive

5. Insert Arrangement

Please contact us for all current MS insert arrangements

6. Contact Type

P for pin, S for socket

7. Alternate Insert Rotation

Used to prevent cross-mating of connectors. Absence of a letter in this space indicates normal (0°) position of the insert

Environmental and Mechanical testing I.A.W MIL-DTL-22992

Condition

Vibration

Dielectric withstanding voltage

Water immersion

Insulation resistance

Fluid immersion

Permeability

Contact resistance

Temperature cycling

Air leakage

Insert retention

Humidity

Durability

Salt spray (corrosion)

Test Procedure

28 of EIA-364

20 of EIA-364

In accordance with MIL-DTL-22992

21 of EIA-364

In accordance with MIL-DTL-22992

In accordance with MIL-DTL-22992

06 of EIA-364

32, condition I, 5 cycles of EIA-364

In accordance with MIL-DTL-22992

In accordance with MIL-DTL-22992

106 of MIL-STD-202

In accordance with MIL-DTL-22992

26 of EIA-364



LEX
Connector Solutions

15751 SW 41 Street Ste. 300 | Davie, FL 33331 | Telephone: 954.888.1024 | Fax: 954.888.1026

www.lexconnectors.com