



# Dust Caps and Protective Covers

for Commercial & Military Style Connectors

5015, 38999, 26482, & 83723



ITT

# We Connect

## When it matters most

For more than a century, ITT Cannon has developed innovative interconnect solutions for the world's harshest environments. With facilities in the United States, Germany, Italy, Mexico, China and Japan, each with its unique strengths, we offer our customers interconnect solutions that are truly Engineered for Life.

In addition to this truly global footprint, we offer highly specialized, segmented industry expertise. We have a proven track record as an industry leader in harsh-environment applications. This has equipped us with the knowledge needed to continue to produce the most resilient, reliable connectors for our customers' most challenging conditions.



# Protective Covers/Dust Caps



Available for both plug and receptacle connectors, protective covers protect the mating surfaces of the connector from physical damage and seal the connector against particle and moisture contamination. Protective covers consist basically of a cylindrical body closed at one end. Although not shown in this catalog, Cannon offers a protective cover solution for every commercially available connector, including rectangular D-Subs and Micro-D (MDM) Connectors. Consult your ITT Cannon Sales Representative for additional product offerings.



| SERIES    | DESCRIPTION                                                       | PAGE |
|-----------|-------------------------------------------------------------------|------|
| 501 & 502 | PROTECTIVE COVERS FOR MIL-DTL-38999 SERIES I / KJL SERIES         | 6    |
| 510 & 511 | PROTECTIVE COVERS FOR MIL-DTL-38999 SERIES II / KJ SERIES         | 7    |
| 32 & 33   | PROTECTIVE COVERS FOR MIL-DTL-38999 SERIES III / KJA & KJB SERIES | 8    |
| 451 & 452 | PROTECTIVE COVERS FOR MIL-DTL-38999 SERIES IV                     | 9    |
| 42 & 43   | PROTECTIVE COVERS FOR MIL-DTL-5015 / CA THREADED                  | 10   |
| 80 & 81   | PROTECTIVE COVERS FOR MIL-DTL-26482 / KP SERIES                   | 11   |
| 591 & 601 | PROTECTIVE COVERS FOR MIL-DTL-83723 SERIES III THREADED           | 12   |
| 592 & 602 | PROTECTIVE COVERS FOR MIL-DTL-83723 SERIES III BAYONET            | 13   |

# Material and Finish Specifications

| MATERIAL AND FINISH SPECIFICATIONS |             |                 |                                                           |               |                        |
|------------------------------------|-------------|-----------------|-----------------------------------------------------------|---------------|------------------------|
| ITEM                               | FINISH CODE | BASE MATERIAL   | SPECIFICATION                                             | TEMP RANGE    | SALT SPRAY RATING (HR) |
| STAINLESS STEEL, PASSIVATED        | K           | STAINLESS STEEL | QQ-S-763 (300 SERIES)                                     | -65 to +200°C | 1000                   |
| CADMIUM, OLIVE DRAB                | W           | ALUMINUM        | SAE-AMS-QQ-P-416 TYPE II, CLASS 3 OVER ELECTROLESS NICKEL | -65 to +175°C | 500                    |
| ELECTROLESS NICKEL                 | F           | ALUMINUM        | AMS-C-26074                                               | -65 to +200°C | 48                     |
| HARD BLACK ANODIZE                 | A           | ALUMINUM        | PER MIL-A-8625                                            | -65 to +175°C | 300                    |
| BLACK ZINC NICKEL                  | Z           | ALUMINUM        | ASTM B841, GRADE 5, OVER ELECTROLESS NICKEL               | -65 to +175°C | 500                    |

| CONSULT FACTORY FOR ADDITIONAL MATERIAL AND FINISH OPTIONS |                 |
|------------------------------------------------------------|-----------------|
| ITEM                                                       | BASE MATERIAL   |
| COMPOSITE                                                  | ULTEM           |
| BRASS                                                      | 360 BRASS       |
| CLEAR ANODIZE                                              | ALUMINUM        |
| COMPOSITE W/ ELECTROLESS NICKEL PLATE                      | ULTEM           |
| COMPOSITE W/ CADMIUM PLATE                                 | ULTEM           |
| BRASS W/ ELECTROLESS NICKEL PLATE                          | 360 BRASS       |
| NICKEL PTFE                                                | ALUMINUM        |
| ZINC COBALT, OLIVE DRAB                                    | ALUMINUM        |
| OLIVE DRAB ZINC NICKEL                                     | ALUMINUM        |
| ZINC COBALT, BLACK                                         | ALUMINUM        |
| CADMIUM, YELLOW                                            | ALUMINUM        |
| CHEMICAL CONVERSION COATING                                | ALUMINUM        |
| GOLD, 50 MICRO INCHES                                      | MULTIPLE        |
| GOLD, 30 MICRO INCHES                                      | MULTIPLE        |
| NICKEL PLATED STAINLESS STEEL                              | STAINLESS STEEL |
| SULFURIC ACID ANODIZE                                      | ALUMINUM        |
| TIN PLATING                                                | MULTIPLE        |

# Lanyards, Rings, & Eyelets



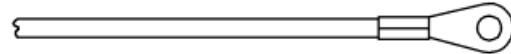
## LANYARDS



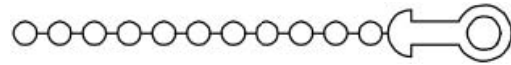
#8 STAINLESS STEEL SASH CHAIN



NYLON ROPE, BLACK



STAINLESS STEEL WIRE ROPE WITH CHOICE OF JACKET MATERIAL



STAINLESS STEEL BEAD CHAIN

TABLE I – LANYARD MATERIAL OPTIONS

| ORDERING CODE | DESCRIPTION                                 |
|---------------|---------------------------------------------|
| X             | NO ACCESSORY                                |
| R             | STAINLESS STEEL WIRE ROPE, CLEAR PVC JACKET |
| B             | STAINLESS STEEL BEAD CHAIN                  |
| S             | STAINLESS STEEL SASH CHAIN                  |
| G             | NYLON ROPE, BLACK                           |
| Y             | STAINLESS STEEL WIRE ROPE, NYLON JACKET     |
| T             | STAINLESS STEEL WIRE ROPE, TEFLON JACKET    |
| C             | NO TERMINATION RING/LINK                    |

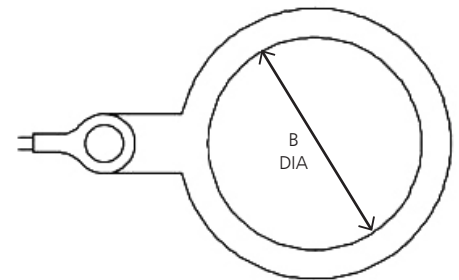


TABLE III  
SOLID RING SPECIFICATIONS IN (MM)

| DASH NUMBER | B ± .015 DIA |
|-------------|--------------|
| 20          | .512 (13.0)  |
| 21          | .583 (14.8)  |
| 22          | .709 (18.0)  |
| 23          | .787 (20.0)  |
| 24          | .906 (23.0)  |
| 25          | 1.024 (26.0) |
| 26          | 1.178 (30.0) |
| 27          | 1.266 (32.2) |
| 28          | 1.428 (36.3) |
| 29          | 1.535 (39.0) |
| 30          | 1.678 (42.6) |
| 31          | 1.760 (44.7) |
| 32          | 1.890 (48.0) |
| 33          | 2.140 (54.4) |
| 34          | 2.406 (61.1) |
| 35          | 2.656 (67.5) |
| 40          | 0.445 (11.3) |
| 42          | 0.57 (14.5)  |
| 44          | 0.635 (16.1) |
| 46          | 0.695 (17.7) |
| 37          | 0.845 (21.5) |
| 36          | 1.51 (38.4)  |
| 47          | 2.81 (71.4)  |

EYELET

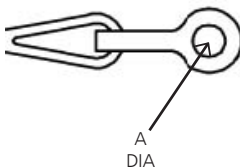


TABLE II  
EYELET SPECIFICATIONS IN (MM)

| DASH NUMBER | A ± .005" DIA   |
|-------------|-----------------|
| 00          | NO EYELET       |
| 01          | 0.140 (3.6)     |
| 02          | 0.167 (4.2)     |
| 03          | 0.197 (5.0)     |
| 04          | 0.125 (3.2)     |
| 05          | 0.156 (4.0)     |
| 06          | 0.182 (4.6)     |
| 07          | 0.191 (4.9)     |
| 08          | 0.218 (5.5)     |
| 10          | *.500 Min. LOOP |

\* Only Available with Rope/Wire Rope Lanyards.  
Actual loop size may vary and shall be controlled  
by a technical drawing

Dimensions shown in mm

Specifications and dimensions subject to change

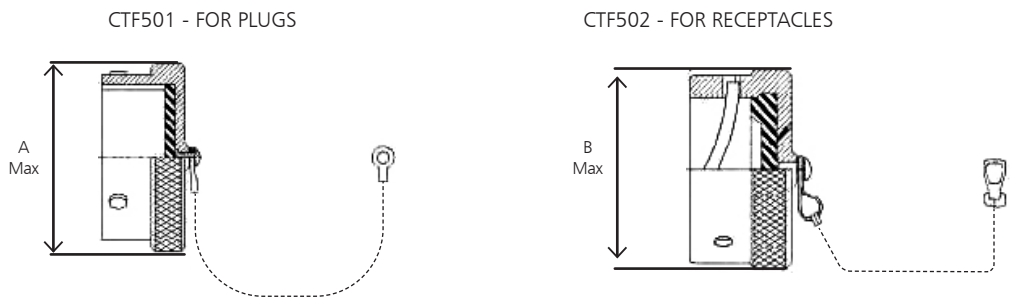
ittcannon.com



# Protective Cover

## CTF501 & CTF502

### MIL-DTL-38999 Series I / KJL SERIES



| TABLE – PROTECTIVE COVER DIMENSIONS |              |             |
|-------------------------------------|--------------|-------------|
| SHELL SIZE                          | A<br>MAX     | B<br>MAX    |
| 9                                   | .820 (20.8)  | 0.86 (21.8) |
| 11                                  | .940 (23.9)  | 0.98 (24.9) |
| 13                                  | 1.070 (27.2) | 1.16 (29.5) |
| 15                                  | 1.190 (30.2) | 1.28 (32.5) |
| 17                                  | 1.320 (33.5) | 1.41 (35.8) |
| 19                                  | 1.440 (36.6) | 1.52 (38.6) |
| 21                                  | 1.570 (39.9) | 1.65 (41.9) |
| 23                                  | 1.690 (42.9) | 1.77 (45.0) |
| 25                                  | 1.820 (46.2) | 1.89 (48.0) |

| PART NUMBER BREAKDOWN   |                                                                                                                                                                                                                              |      |    |    |    |    |    |  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|----|----|----|----|--|
| EXAMPLE PART NUMBER     | CTF                                                                                                                                                                                                                          | 501- | 11 | W- | 55 | S- | 02 |  |
| BASIC PART NUMBER       |                                                                                                                                                                                                                              |      |    |    |    |    |    |  |
| INTERFACE               | 501 - MIL-DTL-38999 SERIES I (FOR PLUGS)<br>502 - MIL-DTL-38999 SERIES I (FOR RECEPTACLES)                                                                                                                                   |      |    |    |    |    |    |  |
| SHELL SIZE              |                                                                                                                                                                                                                              |      |    |    |    |    |    |  |
| MATERIAL/FINISH         | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |      |    |    |    |    |    |  |
| LANYARD LENGTH          | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES)                                                                                                                                                                                   |      |    |    |    |    |    |  |
| LANYARD MATERIAL OPTION | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |  |
| EYELET OR RING SIZE     | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |  |



Dimensions shown in mm  
Specifications and dimensions subject to change

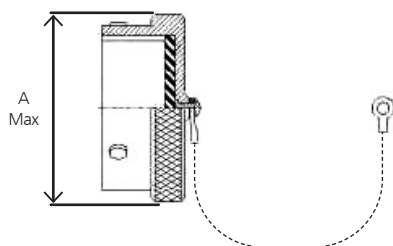
# Protective Cover

## CTF510 & CTF511

### MIL-DTL-38999 Series II / KJ SERIES



CTF510 - FOR PLUGS



CTF511 - FOR RECEPTACLES

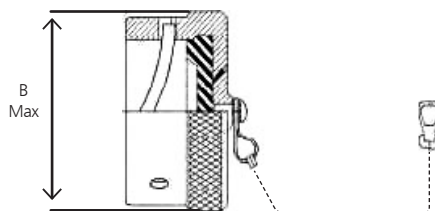


TABLE – PROTECTIVE COVER DIMENSIONS

| SHELL SIZE | A<br>MAX     | B<br>MAX    |
|------------|--------------|-------------|
| 8          | .720 (18.3)  | .75 (19.1)  |
| 10         | .850 (21.6)  | .86 (21.8)  |
| 12         | 1.000 (25.4) | 1.03 (26.2) |
| 14         | 1.130 (28.7) | 1.16 (29.4) |
| 16         | 1.250 (31.8) | 1.28 (32.5) |
| 18         | 1.380 (35.1) | 1.41 (35.7) |
| 20         | 1.500 (38.1) | 1.53 (38.9) |
| 22         | 1.630 (41.4) | 1.64 (41.7) |
| 24         | 1.750 (44.5) | 1.77 (44.9) |

PART NUMBER BREAKDOWN

|                         |                                                                                                                                                                                                                              |      |    |    |    |    |    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|----|----|----|----|
| EXAMPLE PART NUMBER     | CTF                                                                                                                                                                                                                          | 510- | 11 | W- | 55 | S- | 02 |
| BASIC PART NUMBER       |                                                                                                                                                                                                                              |      |    |    |    |    |    |
| INTERFACE               | 510 - MIL-DTL-38999 SERIES II (FOR PLUGS)<br>511 - MIL-DTL-38999 SERIES II (FOR RECEPTACLES)                                                                                                                                 |      |    |    |    |    |    |
| SHELL SIZE              |                                                                                                                                                                                                                              |      |    |    |    |    |    |
| MATERIAL/FINISH         | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |      |    |    |    |    |    |
| LANYARD LENGTH          | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES)                                                                                                                                                                                   |      |    |    |    |    |    |
| LANYARD MATERIAL OPTION | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |
| EYELET OR RING SIZE     | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |

Dimensions shown in mm  
Specifications and dimensions subject to change

# Protective Cover

CTF32 & CTF33

MIL-DTL-38999 Series III / KJA & KJB SERIES



CTF32 - FOR PLUGS

CTF33 - FOR RECEPTACLES

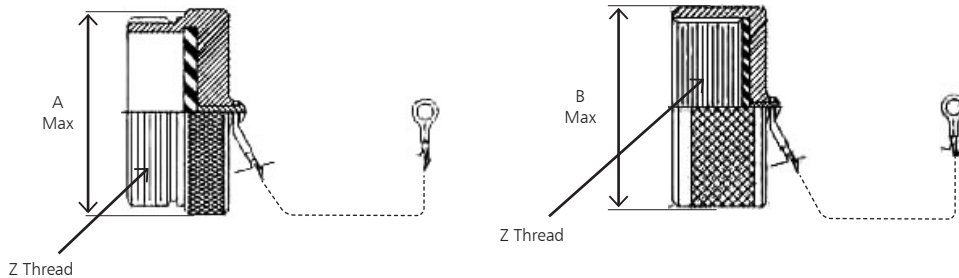


TABLE I – PROTECTIVE COVER DIMENSIONS

| SHELL SIZE | Z<br>THREAD         | A<br>MAX     | B<br>MAX     |
|------------|---------------------|--------------|--------------|
| 09 (A)     | .6250-0.1P-0.3L-TS  | .906 (23.0)  | .906 (23.0)  |
| 11 (B)     | .7500-0.1P-0.3L-TS  | 1.024 (26.0) | 1.102 (28.0) |
| 13 (C)     | .8750-0.1P-0.3L-TS  | 1.220 (31.0) | 1.220 (31.0) |
| 15 (D)     | 1.0000-0.1P-0.3L-TS | 1.300 (33.0) | 1.260 (32.0) |
| 17 (E)     | 1.1875-0.1P-0.3L-TS | 1.457 (37.0) | 1.457 (37.0) |
| 19 (F)     | 1.2500-0.1P-0.3L-TS | 1.575 (40.0) | 1.535 (39.0) |
| 21 (G)     | 1.3750-0.1P-0.3L-TS | 1.732 (44.0) | 1.654 (42.0) |
| 23 (H)     | 1.5000-0.1P-0.3L-TS | 1.811 (46.0) | 1.772 (45.0) |
| 25 (J)     | 1.6250-0.1P-0.3L-TS | 1.969 (50.0) | 1.929 (49.0) |

PART NUMBER BREAKDOWN

| PART NUMBER BREAKDOWN   |                                                                                                                                                                                                                              |     |    |    |    |    |    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----|----|----|
| EXAMPLE PART NUMBER     | CTF                                                                                                                                                                                                                          | 32- | 09 | W- | 55 | S- | 02 |
| BASIC PART NUMBER       |                                                                                                                                                                                                                              |     |    |    |    |    |    |
| INTERFACE               | 32 – MIL-DTL-38999 SERIES III (FOR PLUGS)<br>33 – MIL-DTL-38999 SERIES III (FOR RECEPTACLES)                                                                                                                                 |     |    |    |    |    |    |
| SHELL SIZE              |                                                                                                                                                                                                                              |     |    |    |    |    |    |
| MATERIAL/FINISH         | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |     |    |    |    |    |    |
| LANYARD LENGTH          | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES)                                                                                                                                                                                   |     |    |    |    |    |    |
| LANYARD MATERIAL OPTION | SEE PAGE 5                                                                                                                                                                                                                   |     |    |    |    |    |    |
| EYELET OR RING SIZE     | SEE PAGE 5                                                                                                                                                                                                                   |     |    |    |    |    |    |



Dimensions shown in mm  
Specifications and dimensions subject to change

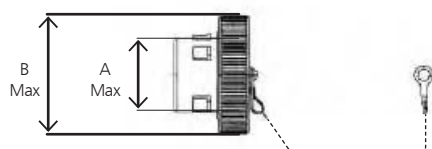
# Protective Cover

## CTF451 & CTF452

### MIL-DTL-38999 Series IV



CTF451 - FOR PLUGS



CTF452 - FOR RECEPTACLES



TABLE I – PROTECTIVE COVER DIMENSIONS

| SHELL SIZE | A            | B            | C            |
|------------|--------------|--------------|--------------|
| 11 (B)     | .509 (12.9)  | 1.180 (30.0) | .875 (22.2)  |
| 13 (C)     | .634 (16.1)  | 1.320 (33.5) | 1.000 (25.4) |
| 15 (D)     | .759 (19.3)  | 1.440 (36.6) | 1.125 (28.6) |
| 17 (E)     | .885 (22.5)  | 1.560 (39.6) | 1.250 (31.8) |
| 19 (F)     | 1.009 (25.6) | 1.680 (42.7) | 1.375 (34.9) |
| 21 (G)     | 1.134 (28.8) | 1.820 (46.2) | 1.500 (38.1) |
| 23 (H)     | 1.259 (32.0) | 1.940 (49.3) | 1.625 (41.3) |
| 25 (J)     | 1.384 (35.2) | 2.060 (52.3) | 1.750 (44.5) |

PART NUMBER BREAKDOWN

| EXAMPLE PART NUMBER     | CTF                                                                                                                                                                                                                          | 451- | 11 | W- | 55 | S- | 02 |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|----|----|----|----|
| BASIC PART NUMBER       |                                                                                                                                                                                                                              |      |    |    |    |    |    |
| INTERFACE               | 451 - MIL-DTL-38999 SERIES IV (FOR PLUGS)<br>452 - MIL-DTL-38999 SERIES IV (FOR RECEPTACLES)                                                                                                                                 |      |    |    |    |    |    |
| SHELL SIZE              |                                                                                                                                                                                                                              |      |    |    |    |    |    |
| MATERIAL/FINISH         | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |      |    |    |    |    |    |
| LANYARD LENGTH          | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES)                                                                                                                                                                                   |      |    |    |    |    |    |
| LANYARD MATERIAL OPTION | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |
| EYELET OR RING SIZE     | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |

Dimensions shown in mm  
Specifications and dimensions subject to change

ittcannon.com



# Protective Cover

CTF42 & CTF43

MIL-DTL-5015/ CA THREADED

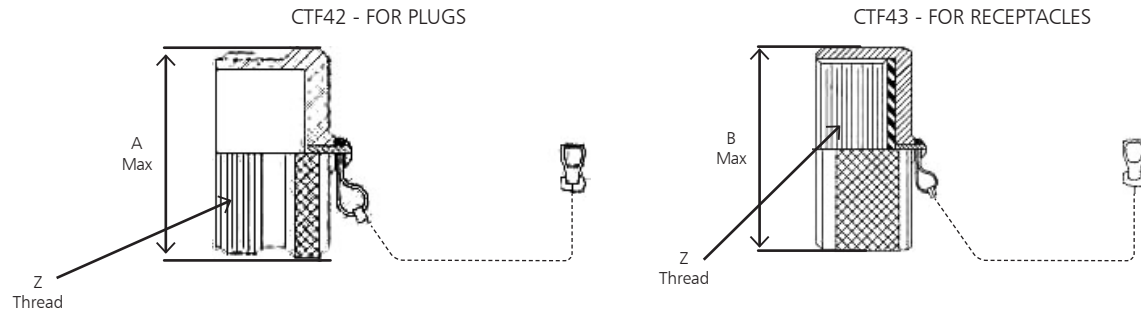


TABLE – PROTECTIVE COVER DIMENSIONS

| SHELL SIZE | Z<br>THREAD     | A<br>MAX     | B<br>MAX     |
|------------|-----------------|--------------|--------------|
| 08         | 1/2 - 28 UNEF   | .562 (14.3)  | .688 (17.5)  |
| 10         | 5/8 - 24 UNEF   | .687 (17.4)  | .815 (20.7)  |
| 12         | 3/4 - 20 UNEF   | .812 (20.6)  | 1.000 (25.4) |
| 14         | 7/8 - 20 UNEF   | .937 (23.8)  | 1.125 (28.6) |
| 16         | 1 - 20 UNEF     | 1.062 (27.0) | 1.188 (30.2) |
| 18         | 1 1/8 - 18 UNEF | 1.187 (30.1) | 1.344 (34.1) |
| 20         | 1 1/4 - 18 UNEF | 1.312 (33.3) | 1.469 (37.3) |
| 22         | 1 3/8 - 18 UNEF | 1.437 (36.5) | 1.594 (40.5) |
| 24         | 1 1/2 - 18 UNEF | 1.562 (39.7) | 1.719 (43.7) |
| 28         | 1 3/4 - 18 UNS  | 1.812 (46.0) | 1.969 (50.0) |
| 32         | 2 - 18 UNS      | 2.062 (52.4) | 2.219 (56.4) |
| 36         | 2 1/4 - 16 UN   | 2.312 (58.7) | 2.469 (62.7) |
| 40         | 2 1/2 - 16 UN   | 2.562 (65.1) | 2.719 (69.1) |
| 44         | 2 3/4 - 16 UN   | 2.812 (71.4) | 2.969 (75.4) |
| 48         | 3 - 16 UN       | 3.062 (77.8) | 3.188 (81.0) |

PART NUMBER BREAKDOWN

| PART NUMBER BREAKDOWN   |                                                                                                                                                                                                                              |     |    |    |    |    |    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----|----|----|
| EXAMPLE PART NUMBER     | CTF                                                                                                                                                                                                                          | 42- | 10 | W- | 55 | S- | 02 |
| BASIC PART NUMBER       |                                                                                                                                                                                                                              |     |    |    |    |    |    |
| INTERFACE               | 42 - MIL-DTL-5015 (FOR PLUGS)<br>43 - MIL-DTL-5015 (FOR RECEPTACLES)                                                                                                                                                         |     |    |    |    |    |    |
| SHELL SIZE              |                                                                                                                                                                                                                              |     |    |    |    |    |    |
| MATERIAL/FINISH         | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |     |    |    |    |    |    |
| LANYARD LENGTH          | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES)                                                                                                                                                                                   |     |    |    |    |    |    |
| LANYARD MATERIAL OPTION | SEE PAGE 5                                                                                                                                                                                                                   |     |    |    |    |    |    |
| EYELET OR RING SIZE     | SEE PAGE 5                                                                                                                                                                                                                   |     |    |    |    |    |    |

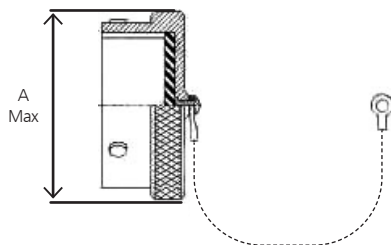
# Protective Cover

## CTF80 & CTF81

### MIL-DTL-26482 / KP SERIES



CTF80 - FOR PLUGS



CTF81 - FOR RECEPTACLES

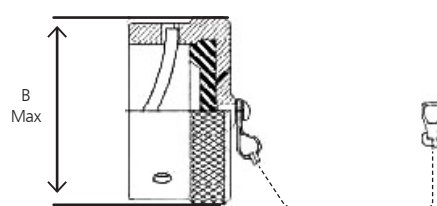


TABLE – PROTECTIVE COVER DIMENSIONS

| SHELL SIZE | A<br>MAX     | B<br>MAX     |
|------------|--------------|--------------|
| 08         | .719 (18.3)  | .734 (18.6)  |
| 10         | .844 (21.4)  | .859 (21.8)  |
| 12         | 1.000 (25.4) | 1.000 (25.4) |
| 14         | 1.125 (28.6) | 1.125 (28.6) |
| 16         | 1.250 (31.8) | 1.250 (31.8) |
| 18         | 1.375 (34.9) | 1.375 (34.9) |
| 20         | 1.500 (38.1) | 1.500 (38.1) |
| 22         | 1.625 (41.3) | 1.625 (41.3) |
| 24         | 1.750 (44.5) | 1.750 (44.5) |

PART NUMBER BREAKDOWN

| PART NUMBER BREAKDOWN   |                                                                                                                                                                                                                              |     |    |    |    |    |    |  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|----|----|----|----|--|
| EXAMPLE PART NUMBER     | CTF                                                                                                                                                                                                                          | 80- | 10 | W- | 55 | S- | 02 |  |
| BASIC PART NUMBER       |                                                                                                                                                                                                                              |     |    |    |    |    |    |  |
| INTERFACE               | 80 - MIL-DTL-26482 (FOR PLUGS)<br>81 - MIL-DTL-26482 (FOR RECEPTACLES)                                                                                                                                                       |     |    |    |    |    |    |  |
| SHELL SIZE              |                                                                                                                                                                                                                              |     |    |    |    |    |    |  |
| MATERIAL/FINISH         | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |     |    |    |    |    |    |  |
| LANYARD LENGTH          | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES)                                                                                                                                                                                   |     |    |    |    |    |    |  |
| LANYARD MATERIAL OPTION | SEE PAGE 5                                                                                                                                                                                                                   |     |    |    |    |    |    |  |
| EYELET OR RING SIZE     | SEE PAGE 5                                                                                                                                                                                                                   |     |    |    |    |    |    |  |

Dimensions shown in mm  
Specifications and dimensions subject to change

ittcannon.com



# Protective Cover

CTF591 & CTF601

MIL-DTL-83723 Series III Threaded

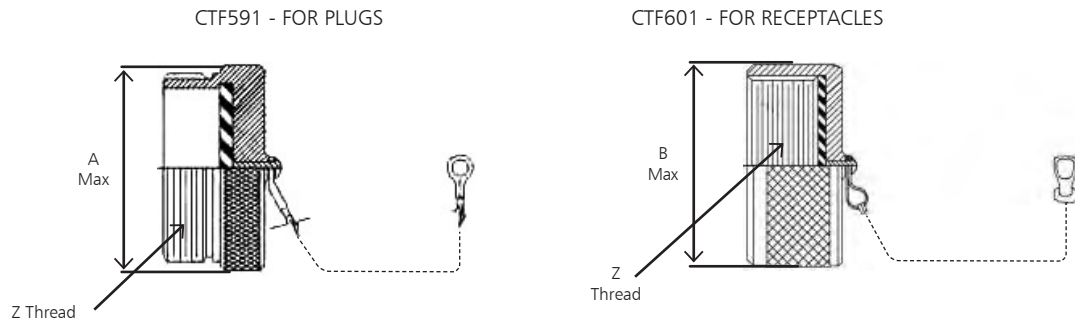


TABLE I – PROTECTIVE COVER DIMENSIONS

| SHELL SIZE | Z MAX            | A MAX        | B MAX        |
|------------|------------------|--------------|--------------|
| 08         | 9/16 - 24 UNEF   | .776 (19.7)  | .776 (19.7)  |
| 10         | 11/16 - 24 UNEF  | .906 (23.0)  | .906 (23.0)  |
| 12         | 7/8 - 20 UNEF    | 1.078 (27.4) | 1.078 (27.4) |
| 14         | 15/16 - 20 UNEF  | 1.141 (29.0) | 1.141 (29.0) |
| 16         | 1 1/16 - 18 UNEF | 1.266 (32.2) | 1.266 (32.2) |
| 18         | 1 3/16 - 18 UNEF | 1.375 (34.9) | 1.375 (34.9) |
| 20         | 1 5/16 - 18 UNEF | 1.510 (38.4) | 1.510 (38.4) |
| 22         | 1 7/16 - 18 UNEF | 1.625 (41.3) | 1.625 (41.3) |
| 24         | 1 9/16 - 18 UNEF | 1.760 (44.7) | 1.760 (44.7) |

PART NUMBER BREAKDOWN

| EXAMPLE PART NUMBER     | CTF                                                                                                                                                                                                                          | 591- | 11 | W- | 55 | S- | 02 |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----|----|----|----|----|
| BASIC PART NUMBER       |                                                                                                                                                                                                                              |      |    |    |    |    |    |
| INTERFACE               | 591 - MIL-DTL-83723 SERIES III (FOR PLUGS)<br>601 - MIL-DTL-83723 SERIES III (FOR RECEPTACLES)                                                                                                                               |      |    |    |    |    |    |
| SHELL SIZE              |                                                                                                                                                                                                                              |      |    |    |    |    |    |
| MATERIAL/FINISH         | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |      |    |    |    |    |    |
| LANYARD LENGTH          | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES)                                                                                                                                                                                   |      |    |    |    |    |    |
| LANYARD MATERIAL OPTION | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |
| EYELET OR RING SIZE     | SEE PAGE 5                                                                                                                                                                                                                   |      |    |    |    |    |    |



Dimensions shown in mm  
Specifications and dimensions subject to change

ittcannon.com

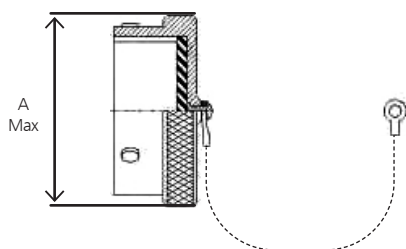
# Protective Cover

## CTF592 & CTF602

### MIL-DTL-83723 Series III Bayonet



CTF592 - FOR PLUGS



CTF602 - FOR RECEPTACLES

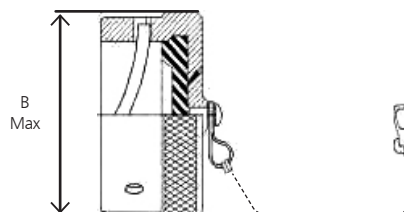


TABLE – PROTECTIVE COVER DIMENSIONS

| SHELL SIZE | A<br>MAX     | B<br>MAX     |
|------------|--------------|--------------|
| 08         | .766 (19.7)  | .776 (19.7)  |
| 10         | .906 (23.0)  | .906 (23.0)  |
| 12         | 1.078 (27.4) | 1.078 (27.4) |
| 14         | 1.141 (29.0) | 1.141 (29.0) |
| 16         | 1.266 (32.2) | 1.266 (32.2) |
| 18         | 1.375 (34.9) | 1.375 (34.9) |
| 20         | 1.510 (38.4) | 1.510 (38.4) |
| 22         | 1.625 (41.3) | 1.625 (41.3) |
| 24         | 1.760 (44.7) | 1.760 (44.7) |

PART NUMBER BREAKDOWN

| EXAMPLE PART NUMBER     | CTF | 592-                                                                                           | 08 | W-                                                                                                                                                                                                                           | 55                                         | S- | 02 |
|-------------------------|-----|------------------------------------------------------------------------------------------------|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|----|----|
| BASIC PART NUMBER       |     |                                                                                                |    |                                                                                                                                                                                                                              |                                            |    |    |
| INTERFACE               |     | 592 - MIL-DTL-83723 SERIES III (FOR PLUGS)<br>602 - MIL-DTL-83723 SERIES III (FOR RECEPTACLES) |    |                                                                                                                                                                                                                              |                                            |    |    |
| SHELL SIZE              |     |                                                                                                |    |                                                                                                                                                                                                                              |                                            |    |    |
| MATERIAL/FINISH         |     |                                                                                                |    | W - ALUMINUM W/ O.D. CADMIUM<br>F - ALUMINUM W/ ELECTROLESS NICKEL<br>K - STAINLESS STEEL PASSIVATED<br>A - ALUMINUM BLACK ANODIZED<br>Z - ALUMINUM BLACK ZINC NICKEL<br>(CONSULT FACTORY FOR ADDITIONAL MATERIALS/FINISHES) |                                            |    |    |
| LANYARD LENGTH          |     |                                                                                                |    |                                                                                                                                                                                                                              | 1/2 INCH INCREMENTS (EX. 35 IS 3.5 INCHES) |    |    |
| LANYARD MATERIAL OPTION |     |                                                                                                |    |                                                                                                                                                                                                                              | SEE PAGE 5                                 |    |    |
| EYELET OR RING SIZE     |     |                                                                                                |    |                                                                                                                                                                                                                              | SEE PAGE 5                                 |    |    |

Dimensions shown in mm  
Specifications and dimensions subject to change

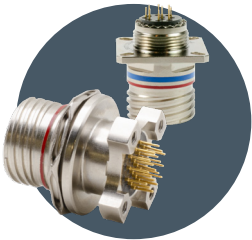
# Modern Connectivity Demands End-to-End Solutions

Whether it's a fiber optic solution providing data transmission speeds of +10 Gbps or interconnects ensuring secure data protocols, and weapon systems readiness, ITT Cannon understands the innovative requirements pushing today's aerospace and defense networks to perform, no matter the situation.

ITT Cannon offers a unique portfolio of off-the-shelf and custom solutions including backshells, accessories, termini, mounting, plating and coupling options.



**WEIGHT REDUCTION**  
**HIGH DENSITY / SIZE REDUCTION**  
**EASE OF ASSEMBLY & MAINTENANCE**  
**HIGH-SPEED DATA TRANSMISSION**



## **KJ SERIES / D38999-Style**

38999-Style Series I, II, III Connectors designed to withstand extreme shock, exposure, and vibration. Customizable with a wide range of plating, mounting, and termini options include - high-speed, fiber, hermetics, and filters.

D38999-STYLE SERIES - KJA, BKJ, PHD, ARINC 801, CU LIGHT (TOSA-ROSA COPPER TO FIBER), CONNECTOR SAVER, CHIP-ON-FLEX



## **KP SERIES / MIL-DTL-26482**

ITT Cannon's KP connectors deliver an ultra-rugged, extremely versatile, and fully proven signal solution. With robust plating options including several that are RoHS complaint, a 3-point locking system, 5-way polarization and sealing up to IP67, ITT's KP series are ideal for defense, heavy equipment, and commercial applications.

KP SERIES - MIL-DTL-26482, KPT, KPSE, KPTC, PV, TPV-Filtered



## **CA THREADED SERIES / MIL-DTL-5015**

CA Threaded is one of the market standards for harsh environment applications. Threaded coupling mechanism offering extraordinary vibration resistance. That combined with an extensive range of accessories, backshells, high temperature material and plating options, allows for customer to customize their CA Threaded connector to meet any application requirement.

CA THREADED SERIES - MIL-DTL-5015, CV 5015 Series III, CA, MS3100, MS3101, MS3102, MS3106, MS3108, MS/CA - A/B/E/F/R/ER



Dimensions shown in mm  
Specifications and dimensions subject to change

[ittcannon.com](http://ittcannon.com)

# Explore Cannon's Robust Portfolio of Aerospace & Defense Solutions



## MKJ

- Robust coupling options - threaded, ratcheting, breakaway, clip lock latching
- High-speed and voltage layouts with custom cabling
- Qualified to Nett Warrior & GOSSRA



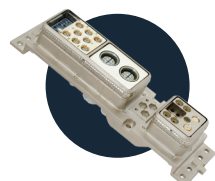
## Nemesis

- 20+ meter sealing
- Dual coupling or breakaway
- Power, signal & data
- Blind mate design



## CA Bayonet

- 1 to 140 contact arrangements
- Shell size #10SL to #36
- Reverse bayonet up to IP69K
- CAB/VG95234 & CGE/VG96929



## ARINC 600/BKA/SGA Rack & Panel

- Single, three and six gang versions
- Accommodate crimp, Quadrax, Octorax, TwinAx, OctoGig, power, and PCB contact
- Filtered option for the system-level EMI protection



## D-Subminiature

- Mixed signal / power, crimp, solder, PC tail, double density, filter, hermetic
- Up to 104 contact
- Qualified to MIL-DTL-24308
- Full range of backshells, caps and accessories



## Nano

- Micro twist pin contact system
- 9 to 51 contact
- Knurled Jack Screw Assembly Hardware
- 250VAC RMS at Sea Level, 100 VAC RMS at 70,000 feet



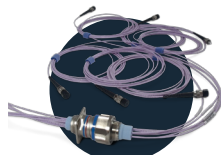
## C5 Warrior

- Ultra-high-density system
- 5 Amp, 100 W Power & 10 Gbps Data Lanes
- Low-smoke zero-halogen cabled solutions
- Factory terminated
- 4 times smaller than D38999 connectors



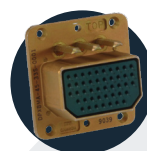
## HDx

- High-Density, Small Form Factor
- High speed data - USB® 3.1 Gen1 up to 5Gbit/s, Ethernet up to 10Gbit/s, HDMI® up to 8.16 Gbit/s



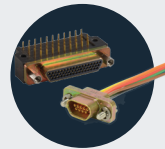
## Fiber Optic

- Termini, savers and cable assemblies
- JSF approved termini (JSFC17 & 18)
- Integrations in M29504, D38999, M28876, Jewel, NGCON, DSUB, MKJ, Micro, PHD, and ARINC connectors



## ARINC 404 / DPX Rack & Panel Series

- Single, dual, three and four gang versions
- Up to 424 crimp contacts.
- Supports high any high speed contact style.
- Easy of assembly with rear insertion and release crimp contacts.



## MDM Microminiature

- High temperature up to +230°C
- 9 to 100 contacts include new 69 pin
- Qualified to MIL-DTL-83513
- Low profile, vertical mount, high voltage, fiber optic configurations

Connect with your ITT Cannon representative today  
or visit us at [ittcannon.com](http://ittcannon.com)

## Connect with the experts

ITT's Cannon brand is a world leader in the design and manufacture of highly engineered connector solutions for multiple end markets.



### Why ITT

ITT is a focused multi-industrial company that designs and manufactures highly engineered critical components and customized technology solutions. ITT's Cannon brand is a leading global manufacturer of connector products serving international customers in aerospace, defense, medical, industrial and transportation end markets, making it possible to transfer data, signal and power in an increasingly connected world.

Connect with your ITT Cannon representative today or visit us at [ittcannon.com](http://ittcannon.com)

Follow us



#### **NORTH AMERICA**

**USA - Irvine, CA**

+1.800.854.3028

**MEXICO - Nogales**

+52.631.3110050

#### **EUROPE**

**GERMANY - Weinstadt**

+49.7151.699.0

**UK - Basingstoke**

+44.1256.347400

**ITALY - Lainate**

+39.02938721

**FRANCE**

+33.1.60.04.93.93

#### **ASIA PACIFIC**

**SINGAPORE**

+65 66974205

**JAPAN - Kanagawa**

+81.462.57.2010

**KOREA**

+82.2.702.7111

**CHINA - Shenzhen City**

+86.755.2726.7888

**HONG KONG**

+852.2732.2720

The "ITT" and "Cannon" are registered trademarks of ITT Inc.

Specification and other data are based on information available at the time of printing, and are subject to change without notice.

© 2025 ITT Inc.  
MIL-Style Caps/Covers CAT 01/2025

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[ITT Cannon:](#)

[CTF33-13F-50Y-02](#) [CTF33-11W-50Y-23](#) [CTF33-17W-50Y-02](#) [CTF33-23W-50Y-30](#) [CTF33-21F-50Y-29](#) [CTF33-09F-50Y-22](#) [CTF32-11F-50Y-22](#) [CTF32-21Z-50Y-02](#) [CTF33-15W-50Y-26](#) [CTF33-25Z-50Y-31](#) [CTF33-23W-50Y-02](#) [CTF33-23Z-50Y-02](#) [CTF32-13F-50Y-23](#) [CTF32-13W-50Y-23](#) [CTF32-19F-50Y-02](#) [CTF32-25F-50Y-29](#) [CTF33-23F-50Y-02](#) [CTF33-25W-50Y-31](#) [CTF32-15Z-50Y-24](#) [CTF32-21W-50Y-02](#) [CTF32-21Z-50Y-26](#) [CTF33-09W-50Y-02](#) [CTF33-15W-50Y-02](#) [CTF33-13Z-50Y-25](#) [CTF33-15F-50Y-02](#) [CTF33-19Z-50Y-28](#) [CTF33-21F-50Y-02](#) [CTF32-11W-50Y-02](#) [CTF32-15Z-50Y-02](#) [CTF32-11W-50Y-22](#) [CTF33-19F-50Y-02](#) [CTF32-09Z-50Y-02](#) [CTF32-11Z-50Y-22](#) [CTF32-17Z-50Y-25](#) [CTF32-21F-50Y-02](#) [CTF33-17F-50Y-27](#) [CTF33-21W-50Y-29](#) [CTF32-19Z-50Y-26](#) [CTF32-23F-50Y-02](#) [CTF32-23W-50Y-02](#) [CTF33-25F-50Y-31](#) [CTF33-19W-50Y-28](#) [CTF33-21W-50Y-02](#) [CTF32-11Z-50Y-02](#) [CTF32-21F-50Y-26](#) [CTF33-13F-50Y-25](#) [CTF33-13W-50Y-25](#) [CTF33-17F-50Y-02](#) [CTF33-23Z-50Y-30](#) [CTF32-09Z-50Y-20](#) [CTF32-11F-50Y-02](#) [CTF32-17F-50Y-02](#) [CTF33-15F-50Y-26](#) [CTF33-19Z-50Y-02](#) [CTF33-25Z-50Y-29](#) [CTF32-15W-50Y-24](#) [CTF32-21W-50Y-26](#) [CTF33-09W-50Y-22](#) [CTF33-09Z-50Y-02](#) [CTF32-09F-50Y-20](#) [CTF32-09W-50Y-20](#) [CTF32-13F-50Y-02](#) [CTF33-15Z-50Y-02](#) [CTF32-13Z-50Y-02](#) [CTF32-19W-50Y-26](#) [CTF32-23Z-50Y-02](#) [CTF32-17W-50Y-02](#) [CTF32-17Z-50Y-02](#) [CTF32-25W-50Y-29](#) [CTF33-11F-50Y-02](#) [CTF33-11W-50Y-02](#) [CTF33-19F-50Y-28](#) [CTF33-21Z-50Y-02](#) [CTF32-25W-50Y-02](#) [CTF33-09F-50Y-02](#) [CTF32-09F-50Y-02](#) [CTF32-15F-50Y-02](#) [CTF32-23F-50Y-28](#) [CTF32-13W-50Y-02](#) [CTF32-19F-50Y-26](#) [CTF32-25F-50Y-02](#) [CTF33-11Z-50Y-23](#) [CTF33-17Z-50Y-02](#) [CTF33-23F-50Y-30](#) [CTF32-13Z-50Y-23](#) [CTF32-15F-50Y-24](#) [CTF32-25Z-50Y-29](#) [CTF32-17F-50Y-25](#) [CTF33-11F-50Y-23](#) [CTF33-13W-50Y-02](#) [CTF33-19W-50Y-02](#) [CTF33-25W-50Y-02](#) [CTF33-09Z-50Y-22](#) [CTF33-13Z-50Y-02](#) [CTF33-15Z-50Y-26](#) [CTF33-25F-50Y-02](#) [CTF32-15W-50Y-02](#) [CTF32-19Z-50Y-02](#) [CTF32-23W-50Y-28](#) [CTF32-19W-50Y-02](#)