DEUTSCH

BRANCHE CONNECTEURS AEROMILITAIRES

# *AFD series* *Norme MIL-C 26482 G*

## *Series 2*

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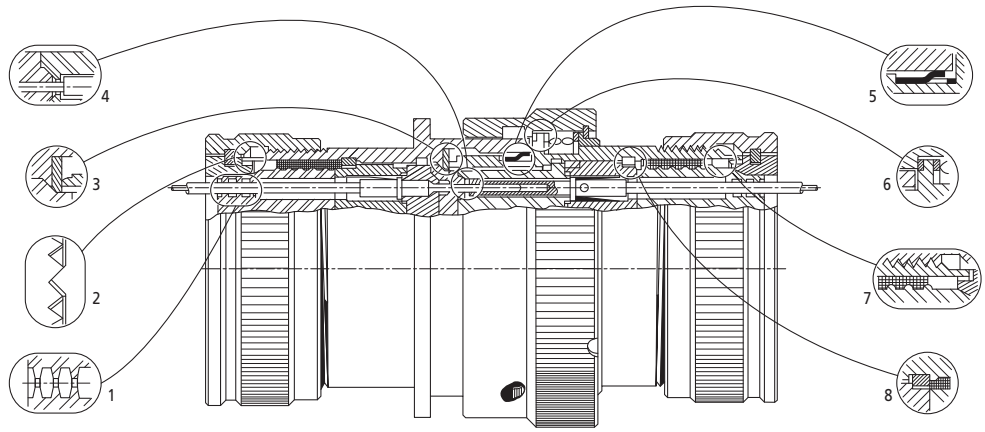



**1 –** Triple wire seal.
**2 –** Mechanical retention of insert into shell by means of snap ring.
**3 –** Interfacial seal ensured by compression of insert and static / dynamic seal.
**4 –** Contacts individual sealing at coupling stage by compression of elastomer conical risers on hard insert.
**5 –** Anti-friction washers for constant mating force.
**6 –** Insert to shell sealing with potting.
**7 –** Connector's rear part fitted with a teeth anti-rotation system assuming an effective tightening and clamping.

Representing the most advanced design in use which both reflects and sets the pace for future developments, Compagnie DEUTSCH presents its AFD series connectors meet requirements of MIL-C 26482 G series 2 bayonet coupling connectors.

The Compagnie DEUTSCH AFD series connectors offer several advantages over previous devices such as :

- Higher performance characteristics.
- Completely sealed against rigorous environments.
- Reduced assembly and rework costs.
- Simplified assembly procedures.
- Hard plastic socket interface prevents penetration of bent pins.
- Rear release system from the rear of the connector.
- RFI fingers available for AFD 57 only.
- Intermateability and interchangeability with Compagnie DEUTSCH series connectors :
  - 951 meet requirements of NFL 54125 B and UTE 93422 model HE 301 B.
  - FDBA meet requirements of MIL-C 26482 and UTE 93422 model HE 302 and 303.
- Available in 9 shell sizes and 27 various insert arrangements.
- Hermetically sealed electrical connectors in DBC version.

## Mechanical

| | | |
|---|---|---|
| Shell and accessoires | Material | : Aluminum alloy |
| | Plating | : Nickel, standard, corrosion test as per MIL - STD 1344<br>Modifications index olive drab cadmium |
| Silicone insert | Material | : Front and rear silicone inserts are devoid of all organic matter |
| | Resistance | : Withstands fluids to MIL-C 26482 G standard |
| Contact | Type | : Crimp type |
| | Finish | : Gold over nickel |
| Durability | | : 500 full coupling and uncoupling cycles<br>250 RFI fingers cycles |
| Contact Retention | | Contacts withstand a minimum load of<br>: Size 20 : 6,93 daN<br>Size 16 : 11,56 daN<br>Size 12 : 11,56 daN<br>Size 8 : 11,56 daN |
| Temperature | | : – 55° C to + 200° C |
| Air Leakage | | : Leakage inferior to 16 cm3/hour under a 2,1 bars differential pressure |
| Thermal Shocks | | : 5 cycles of – 55° C to + 200° C |
| Vibrations | | : No mechanical nor electrical failure further to 12 hours vibration (4 hours in the 3 axes), 20 G from 10 to 2000 Hz |
| Physical Shocks | | : 100 G 11 ms in the 3 axes |

## Electrical

| | | |
|---|---|---|
| Withstanding voltage | at sea level | : Service 1 : 1500 V 50 Hz (R.M.S)<br>Service 2 : 2300 V 50 Hz (R.M.S) |
| | at 15000 m altitude | : Service 1 : 500 V<br>Service 2 : 750 V |
| | at 21000 m altitude | : Service 1 : 375 V<br>Service 2 : 500 V |
| | at 33000 m altitude | : Service 1 : 200 V<br>Service 2 : 200 V |
| Insulation resistance | | : Higher than 5000 MΩ at 25° C at 60% R.H. |
| Contacts maximum current | | : Size 20 : 7,5 A.<br>Size 16 : 13 A.<br>Size 12 : 23 A.<br>Size 8 : 46 A. |
| Contact millivolt drop | | : Size 20 : 15 mv at 7,5 A.<br>Size 16 : 21 mv at 13 A.<br>Size 12 : 22 mv at 23 A.<br>Size 8 : 25 mv at 23 A. |
| Allowed wires section | | : Size 20 : 0,21 to 0,60 mm2<br>Size 16 : 0,60 to 1,34 mm2<br>Size 12 : 1,91 to 3,18 mm2<br>Size 8 : 5,30 to 8,98 mm2 |
| Diameter over insulating sheath | | : Size 20 : 1,01 to 2,10 mm<br>Size 16 : 1,73 to 2,62 mm<br>Size 12 : 2,69 to 4,01 mm<br>Size 8 : 3,80 to 5,15 mm |

**Insert arrangement**
(see page 8)

**Special modifications**
Without accessories : 1A
Nickel straight cable clamp : 059
Nickel 90° end bell cable clamp : 081
Nickel potting cup : A 083
Olive drab cadmium plating : A 231
Nickel thermo-shrink sleeve : A 315
Nickel grounding adaptor : A 564
Olive drab cadmium without backshell : A 5324
Olive drab cadmium straight cable clamp : A 5347
Olive drab cadmium grounding adaptor : A 5534
Olive drab cadmium 90° end bell cable clamp : A 5543
Olive drab cadmium fitting for thermo-shrink : A 5563
Olive drab cadmium potting cup : A 5629

**Shell size**
08 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24

**Connector type**
To MIL-C 26482 G serie 2

**Manufacturer Deutsch**

| 9 | AFD | 50 | 12 | 8 | P | N | 8 | *** |
|---|---|---|---|---|---|---|---|---|

**Shell type**
50 : Square flange receptacle
51 : Cable connecting receptacle
54 : Single hole mounting receptacle
56 : Plug
57 : Plug with RFI fingers
58 : Large square flange receptacle

**Contact type**
Male contact : P
Female contact : S

**Insert clocking position**
Normal : N
(see table page 7) : W-X-Y or Z

**Index for contacts**

| Contacts Type (see page 26 to 29) | Index |
|---|---|
| Size 20 - 16 - 12 standard coax | no index |
| Size 8 solder type (power) | 8 |
| Size 8 crimp type (wire size 10) | 87 |
| Size 8 crimp type (wire size 8) | 88 |
| Coax as per wire used | 1<br>9<br>F1 |
| Without contact | 090 |

## Connectors weight in grams

| Size | AFD 50 Shell and contacts without backshell Male | AFD 50 Shell and contacts without backshell Female | AFD 54 Shell and contacts without backshell Male | AFD 54 Shell and contacts without backshell Female | AFD 56/57 Shell and contacts without backshell Male | AFD 56/57 Shell and contacts without backshell Female | Accessories weight Backshell | Straight cable clamp | 90° end bell cable clamp |
|---|---|---|---|---|---|---|---|---|---|
| 8-3A | 7,60* | 8,00 | 10,80* | 11,20 | 10,00 | 10,40 | 2,44 | 6,50 | 8,35 |
| 10-06 | 11,50 | 12,30 | 14,50 | 15,20 | 14,70 | 15,50 | 5,49 | 7,90 | 10,10 |
| 12-10 | 14,50 | 15,20* | 20,90 | 21,60 | 20,10 | 20,80 | 6,48 | 7,70 | 11,70 |
| 14-19 | 18,00 | 19,50* | 25,80* | 27,30 | 22,50 | 24,00 | 7,48 | 9,90 | 15,20 |
| 16-26 | 23,10 | 25,70* | 31,50 | 34,10* | 28,70 | 31,30 | 8,99 | 12,00 | 16,50 |
| 18-32 | 26,10* | 29,00 | 37,60* | 40,50 | 34,00 | 36,90 | 10,97 | 13,70 | 20,35 |
| 20-41 | 32,20* | 36,20 | 49,10 | 53,10* | 39,70 | 43,70 | 11,97 | 15,00 | 24,90 |
| 22-55 | 39,80* | 44,00 | 56,80* | 61,00 | 46,00 | 50,20 | 13,97 | 17,10 | 26,20 |
| 24-61 | 49,50* | 56,00 | 65,50* | 72,00 | 53,10 | 61,20 | 15,16 | 18,50 | 34,70 |

* Calculated value

## Contacts weight in grams

| Taille | Type | Reference | Weight in grams |
|---|---|---|---|
| 20 | P | 006-0937-20-A | 0,25 |
| | S | 006-0912-20 | 0,28 |
| 16 | P | 006-0937-16-A | 0,56 |
| | S | 006-0912-16 | 0,61 |
| 12 | P | 006-0937-12-A | 1,23 |
| | S | 006-0912-12 | 1,22 |
| 08 | P | 005-0893-08 | 3,18 |
| | S | 005-0896-08 | 2,90 |
| Coax. | P | 005-0920-00 | 6,68 |
| | S | 005-0921-00 | 6,88 |

## Connectors

| Reference MIL-C 83723 | Reference MS 3470 | Reference Panavia 6432 | Reference Deutsch | Finish |
|---|---|---|---|---|
| - | - | PAN 6432-1B-**-P/N | AFD 50-**-P/N A 5324 | Olive drab cadmium |
| - | MS 3470-W-**-P/N | - | AFD 50-**-P/N A 5727 | Olive drab cadmium |
| M 83723-02-R-**-N | MS 3470-L-**-P/N | - | AFD 50-**-P/N A 5730 | Nickel plating |
| M 83723-02-A-**-N | - | - | AFD 50-**-P/N 6116 | Black anodized |
| - | - | PAN 6432-1B-**-P/N | AFD 50-**-S/N A 5324 | Olive drab cadmium |
| - | MS 3470-W-**-S/N | - | AFD 50-**-S/N A 5727 | Olive drab cadmium |
| M 83723-01-R-**-N | MS 3470-L-**-S/N | - | AFD 50-**-S/N A 5730 | Nickel plating |
| M 83723-01-A-**-N | - | - | AFD 50-**-S/N 6116 | Black anodized |
| - | MS 3472-W-**-P/N | - | AFD 58-**-P/N A 5727 | Olive drab cadmium |
| M 83723-04-R-**-N | MS 3472-L-**-P/N | - | AFD 58-**-P/N A 5730 | Contacts with 3 color bands |
| M 83723-04-A-**-N | - | - | AFD 58-**-P/N 6116 | Black anodized |
| - | MS 3472-W-**-S/N | - | AFD 58-**-S/N A 5727 | Olive drab cadmium |
| M 83723-03-R-**-N | MS 3472-L-**-S/N | - | AFD 58-**-S/N A 5730 | Nickel plating |
| M 83723-03-A-**-N | - | - | AFD 58-**-S/N 6116 | Black anodized |
| - | - | PAN 6432-1A-**-P/N | AFD 54-**-P/N A 5324 | Olive drab cadmium |
| - | MS 3474-W-**-P/N | - | AFD 54-**-P/N A 5727 | Olive drab cadmium |
| M 83723-06-R-**-N | MS 3474-L-**-P/N | - | AFD 54-**-P/N A 5730 | Nickel plating |
| M 83723-06-A-**-N | - | - | AFD 54-**-P/N 6116 | Black anodized |
| - | - | PAN 6432-1A-**-S/N | AFD 54-**-S/N A 5324 | Olive drab cadmium |
| - | MS 3474-W-**-S/N | - | AFD 54-**-S/N A 5727 | Olive drab cadmium |
| M 83723-05-R-**-N | MS 3474-L-**-S/N | - | AFD 54-**-S/N A 5730 | Nickel plating |
| M 83723-05-A-**-N | - | - | AFD 54-**-S/N 6116 | Black anodized |
| - | MS 3471-W-**-P/N | - | AFD 51-**-P/N A 5727 | Olive drab cadmium |
| M 83723-08-R-**-N | MS 3471-L-**-P/N | - | AFD 51-**-P/N A 5730 | Nickel plating |
| M 83723-08-A-**-N | - | - | AFD 51-**-P/N 6116 | Black anodized |
| - | MS 3471-W-**-S/N | - | AFD 51-**-S/N A 5727 | Olive drab cadmium |
| M 83723-07-R-**-N | MS 3471-L-**-S/N | - | AFD 51-**-S/N A 5730 | Nickel plating |
| M 83723-07-A-**-N | - | - | AFD 51-**-S/N 6116 | Black anodized |
| - | - | PAN 6432-1F-**-P/N | AFD 56-**-P/N A 5324 | Olive drab cadmium |
| - | MS 3476-W-**-P/N | - | AFD 56-**-P/N A 5727 | Olive drab cadmium |
| M 83723-14-R-**-N | MS 3476-L-**-P/N | - | AFD 56-**-P/N A 5730 | Nickel plating |
| M 83723-14-A-**-N | - | - | AFD 56-**-P/N 6116 | Black anodized |
| - | - | PAN 6432-1F-**-S/N | AFD 56-**-S/N A 5324 | Olive drab cadmium |
| - | MS 3476-W-**-S/N | - | AFD 56-**-S/N A 5727 | Olive drab cadmium |
| MS 83723-13-R-**-N | MS 3476-L-**-S/N | - | AFD 56-**-S/N A 5730 | Nickel plating |
| MS 83723-13-A-**-N | - | - | AFD 56-**-S/N 6116 | Black anodized |
| - | MS 3475-W-**-P/N | - | AFD 57-**-P/N A 5727 | Olive drab cadmium |
| M 83723-42-R-**-N | MS 3475-L-**-P/N | - | AFD 57-**-P/N A 5730 | Nickel plating |
| M 83723-42-A-**-N | - | - | AFD 57-**-P/N 6116 | Black anodized |
| - | MS 3475-W-**-S/N | - | AFD 57-**-S/N A 5727 | Olive drab cadmium |
| M 83723-43-R-**-N | MS 3475-L-**-S/N | - | AFD 57-**-S/N A 5730 | Nickel plating |
| M 83723-43-A-**-N | - | - | AFD 57-**-S/N 6116 | Black anodized |

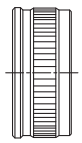
## Rear accessories

| Nickel plated | | Olive drab cadmium | |
|---|---|---|---|
| Ms Nickel Reference | Deutsch Nickel Reference | MS olive drab cadmium Reference | Deutsch olive drab cadmium Reference |
| Backshell MS 3416-**-EN | 94002-**-3014 | MS 3416-**-EC | 94002-**- A 231 |
| Straight cable clamp MS 3417-**-N | 94003-**-3014 | MS 3417-**-C | 94003-**-A 231 |
| 90° end bell cable clamp MS 3418-**-N | 94004-**-3014 | MS 3418-**-C | 94004-**- A 231 |

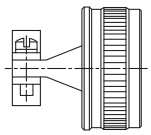
## Contacts

| Size | Type | Reference norm | Deutsch reference to be ordered |
|---|---|---|---|
| 20 | P | M 39029/4-110 | 006-0937-20-A 834 |
| | S | M 39029/5-115 | 006-0912-20-A 834 |
| 16 | P | M 39029/4-111 | 006-0937-16-A 834 |
| | S | M 39029/5-116 | 006-0912-16-A 834 |
| 16 | P | M 39029/4-112 | 006-1168-16-A 834 |
| | S | M 39029/5-117 | 006-1169-16-A 834 |
| 12 | P | M 39029/4-113 | 006-0937-12-A 834 |
| | S | M 39029/5-118 | 006-0912-12-A 834 |
| 12 | P | M 39029/4-114 | 006-1157-12-A 834 |
| | S | M 39029/5-119 | 006-1159-12-A 834 |

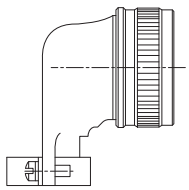
## Accessories



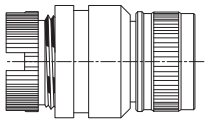
Backshell



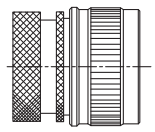
Straight cable clamp



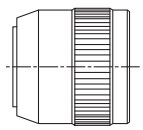
90° end bell cable clamp



Grounding adaptor

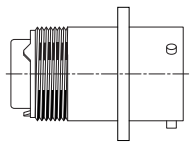


Thermo-shrink sleeve

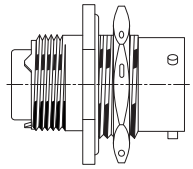


Potting cup

## Receptacles

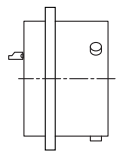


Square flange 4 holes mounting

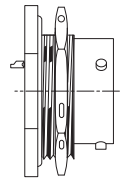


Single hole mounting

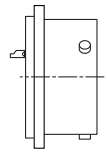
## Hermetic receptacle



Square flange 4 holes mounting

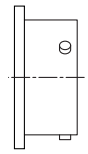


Single hole mounting



Solder flange

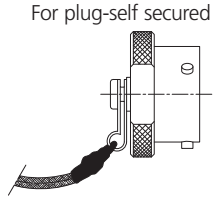
## Dummy receptacle

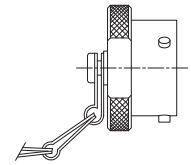


Square flange 4 holes mounting

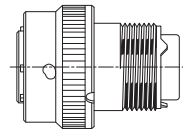
## Dust cap

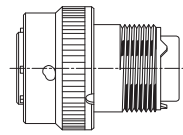
For plug-self secured





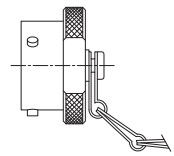
## Plugs



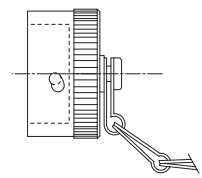


Plug with RFI fingers

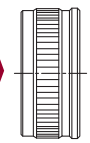
## Dust cap



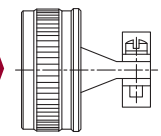
For receptacle self-secured



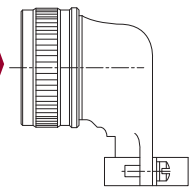
## Accessories



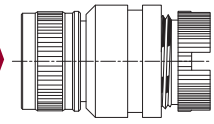
Backshell



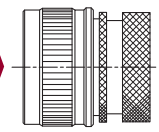
Straight cable clamp



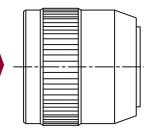
90° end bell cable clamp



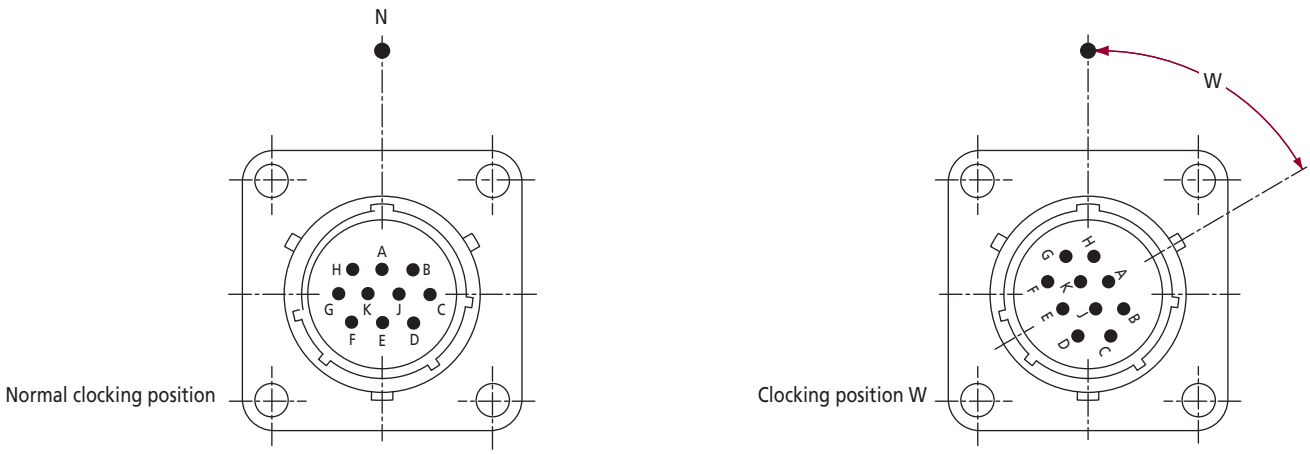
Grounding adaptor



Thermo-shrink sleeve



Potting cup




Exemple of insert angular displacement, pin front face view

Clocking position is normal when the insert vertical axis is intermingled with the shell keyway axis. An unkeying can be performed between 2 connectors of same layout by angular displacement of one of the inserts in its shell. This insert rotation is made in the clockwise for pin layouts and in the counter clockwise for socket layouts. Angular displacements on the hereafter table give clocking positions W, X, Y or Z.

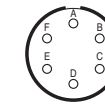
| Insert | Clocking position in degrees | | | | Contacts sizes | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Arrangt. | w | x | y | z | 20 | 16 | 12 | 8 or Coax | Standard | Hermetic | Serv |
| 08-3A | 60 | - | - | - | 3 | - | - | - | 1 | 1 | I |
| 08-33 | 90 | - | - | - | 3 | - | - | - | 1 | 1 | I |
| 8-98 | 60 | 210 | - | - | 3 | - | - | - | 1 | 1 | I |
| 10-6 | 90 | - | - | - | 6 | - | - | - | 1 | 1 | I |
| 12-3 | | - | 180 | - | | 3 | - | - | 1 | 1 | II |
| 12-8 | 90 | 112 | 203 | 292 | 8 | - | - | - | 1 | | I |
| 12-10 | 60 | 155 | 270 | 295 | 10 | - | - | - | 1 | 1 | I |
| 14-4 | - | - | - | - | - | - | 4 | - | 1 | 1 | I |
| 14-5 | 40 | 92 | 184 | 273 | - | 5 | - | - | 1 | 1 | II |
| 14-12 | 43 | 90 | - | - | 8 | 4 | - | - | 1 | 1 | I |
| 14-15 | 17 | 110 | 155 | 234 | 14 | 1 | - | - | 1 | 1 | I |
| 14-18 | 15 | 90 | 180 | 270 | 18 | - | - | - | 1 | 1 | I |
| 14-19 | 30 | 165 | 315 | - | 19 | - | - | - | 1 | 1 | I |
| 16-8 | 54 | 152 | 180 | 331 | - | 8 | - | - | 1 | 1 | II |
| 16-26 | 60 | 105 | 275 | 338 | 26 | - | - | - | 1 | 1 | I |
| 18-8 | - | - | - | - | - | - | 8 | - | 1 | 1 | I |
| 18-11 | 62 | 119 | 241 | 340 | - | 11 | - | - | 1 | | II |
| 18-32 | 85 | 138 | 222 | 265 | 32 | - | - | - | 1 | 1 | I |
| 18-918 | - | - | - | - | 16 | - | - | 2 | 1 | | I |
| 20-16 | 238 | 318 | 333 | 347 | - | 16 | - | - | 1 | 1 | II |
| 20-39 | 63 | 144 | 252 | 333 | 37 | 2 | - | - | 1 | 1 | I |
| 20-41 | 45 | 126 | 225 | - | 41 | - | - | - | 1 | 1 | I |
| 22-12 | - | - | - | - | - | - | 12 | - | 1 | | I |
| 22-21 | 16 | 135 | 175 | 349 | - | 21 | - | - | 1 | | II |
| 22-32 | 72 | 145 | 215 | 288 | 32 | - | - | - | 1 | | I |
| 22-41 | 39 | 135 | 264 | - | 27 | 14 | - | - | 1 | 1 | I |
| 22-55 | 30 | 142 | 226 | 314 | 55 | - | - | - | 1 | 1 | I |
| 24-19 | 30 | 165 | 315 | - | - | - | 19 | - | 1 | | II |
| 24-31 | 90 | 225 | - | - | - | 31 | - | - | 1 | | I |
| 24-37 | 25 | 50 | 75 | - | - | 37 | - | - | 1 | | I |
| 24-53 | - | - | - | - | 51 | - | - | 2 | 1 | | I |
| 24-61 | 90 | 180 | 270 | 324 | 61 | - | - | - | 1 | 1 | I |
| 24-100 | 45 | 90 | 135 | - | - | - | - | 10 | | | I |

Male insert, front face view or female insert, wiring side view.

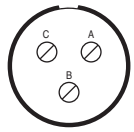
**Disposition 08-3A**
3 contacts size 20

**Disposition 08-33**
3 contacts size 20

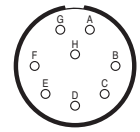
**Disposition 08-98**
3 contacts size 20



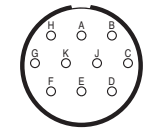

**Disposition 10-6**
6 contacts size 20



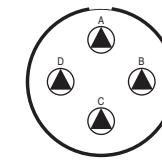

**Disposition 12-3**
3 contacts size 16



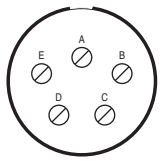

**Disposition 12-8** *
8 contacts size 20



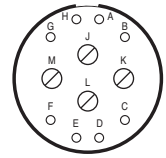

**Disposition 12-10**
10 contacts size 20



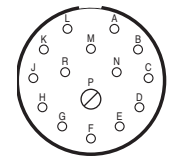

**Disposition 14-4**
4 contacts size 12



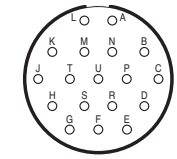

**Disposition 14-5**
5 contacts size 16



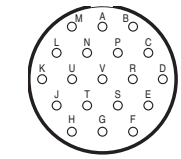

**Disposition 14-12**
8 contacts size 20
4 contacts size 16



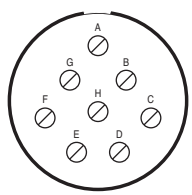

**Disposition 14-15**
14 contacts size 20
1 contact size 16



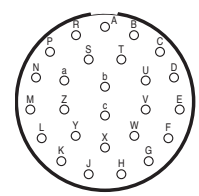

**Disposition 14-18** *
18 contacts size 20



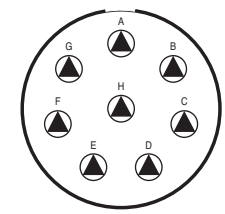

**Disposition 14-19**
19 contacts size 20



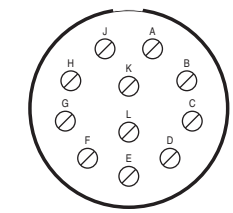

**Disposition 16-8**
8 contacts size 16




**Disposition 16-26**
26 contacts size 20



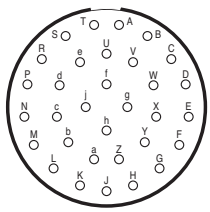

**Disposition 18-8**
8 contacts size 12



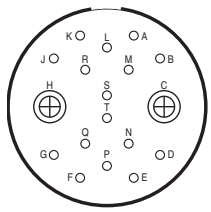

**Disposition 18-11**
11 contacts size 16

* *Consult us*

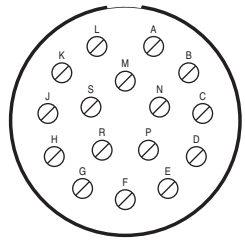
Male insert, front face view or female insert, wiring side view.



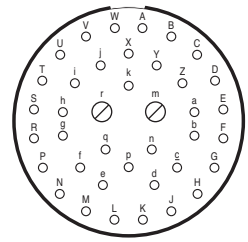
**Disposition 18-32**
32 contacts size 20



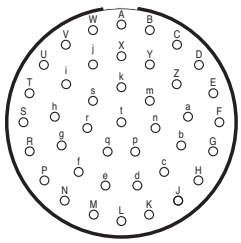
**Disposition 18-918** *
16 contacts size 20
2 contacts size 8 or coax



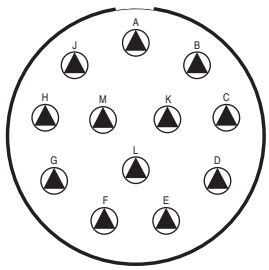
**Disposition 20-16**
16 contacts size 16



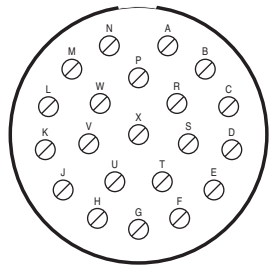
**Disposition 20-39**
37 contacts size 20
2 contacts size 16



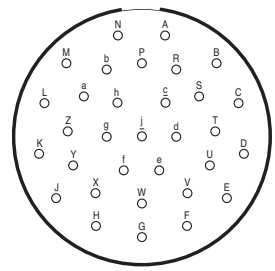
**Disposition 20-41** *
41 contacts size 20



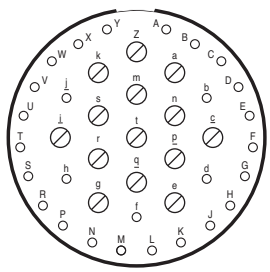
**Disposition 22-12**
12 contacts size 12



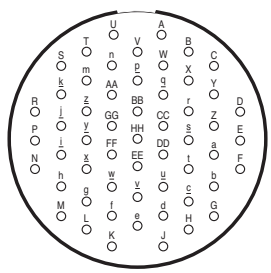
**Disposition 22-21** *
21 contacts size 16



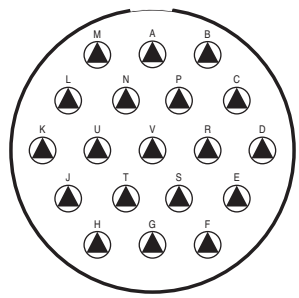
**Disposition 22-32** *
32 contacts size 20



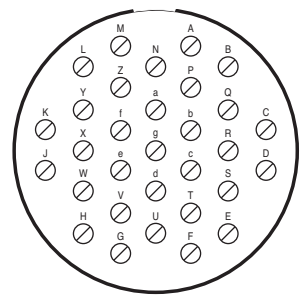
**Disposition 22-41**
27 contacts size 20
14 contacts size 16



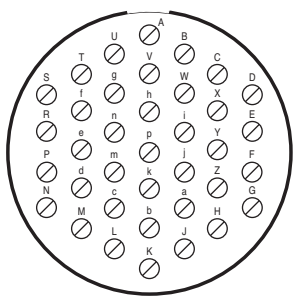
**Disposition 22-55**
55 contacts size 20



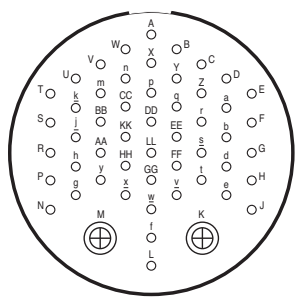
**Disposition 24-19**
19 contacts size 12



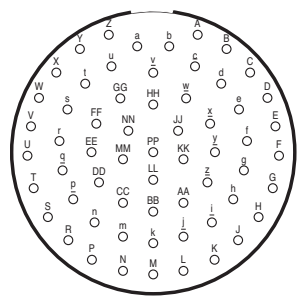
**Disposition 24-31**
31 contacts size 16



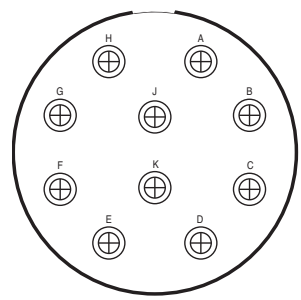
**Disposition 24-37** *
37 contacts size 16



**Disposition 24-53** *
51 contacts size 20
2 coax or size 8



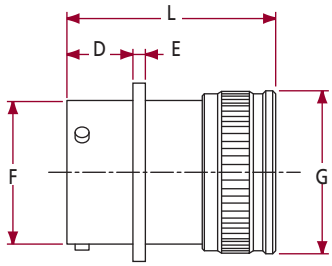
**Disposition 24-61**
61 contacts size 20



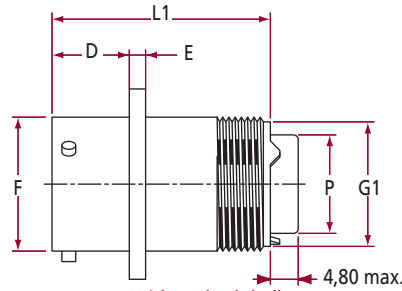
**Disposition 24-100** *
10 coax or size 8

* *Consult us*

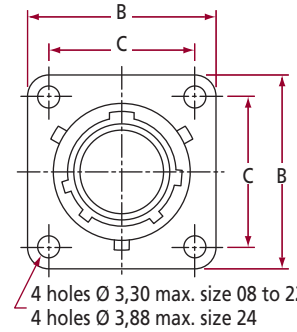
## Square flange




With backshell
Nickel plating without Mod.
Olive drab cadmium plating Mod. A 231

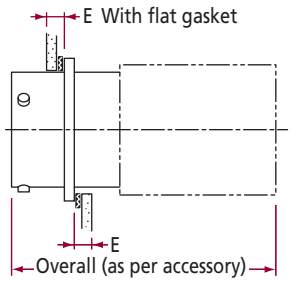


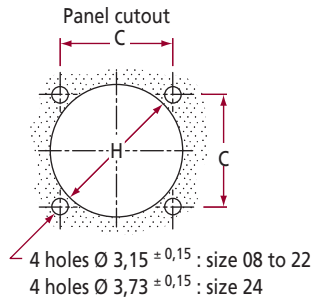

*Without backshell*
*Nickel plating Mod. 1A*
*Olive drab cadmium plating Mod. A 5324*




| Nickel Plating Reference | | B max. | C ± 0,1 | D ± 0,15 | E max. | F max. | G max. | G1 max. | L max. | L1 max. | P max. | Olive Drab Cadmium Plating Reference | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AFD 50-08-**-P/S-* | *1 A* | 21,00 | 15,08 | 11,13 | 1,95 | 12,03 | 15,65 | 12,70 | 36,85 | 30,85 | 7,75 | AFD 50-08-**-P/S-* | A 231 | *A 5324* |
| AFD 50-10-**-P/S-* | *1 A* | 24,20 | 18,26 | 11,13 | 1,95 | 15,01 | 18,60 | 15,85 | 36,85 | 30,85 | 10,29 | AFD 50-10-**-P/S-* | A 231 | *A 5324* |
| AFD 50-12-**-P/S-* | *1 A* | 26,55 | 20,62 | 11,13 | 1,95 | 19,07 | 21,75 | 19,05 | 36,85 | 30,85 | 13,49 | AFD 50-12-**-P/S-* | A 231 | *A 5324* |
| AFD 50-14-**-P/S-* | *1 A* | 28,95 | 23,02 | 11,13 | 1,95 | 22,24 | 24,95 | 22,20 | 36,85 | 30,85 | 16,89 | AFD 50-14-**-P/S-* | A 231 | *A 5324* |
| AFD 50-16-**-P/S-* | *1 A* | 31,30 | 24,58 | 11,13 | 1,95 | 25,42 | 28,20 | 25,40 | 36,85 | 30,85 | 20,07 | AFD 50-16-**-P/S-* | A 231 | *A 5324* |
| AFD 50-18-**-P/S-* | *1 A* | 33,70 | 26,98 | 11,13 | 1,95 | 28,60 | 30,90 | 26,95 | 36,85 | 30,85 | 22,07 | AFD 50-18-**-P/S-* | A 231 | *A 5324* |
| AFD 50-20-**-P/S-* | *1 A* | 36,85 | 29,36 | 14,30 | 2,55 | 31,77 | 34,15 | 30,15 | 38,40 | 32,35 | 25,25 | AFD 50-20-**-P/S-* | A 231 | *A 5324* |
| AFD 50-22-**-P/S-* | *1 A* | 39,95 | 31,76 | 14,30 | 2,55 | 34,94 | 37,25 | 33,30 | 38,40 | 32,35 | 28,42 | AFD 50-22-**-P/S-* | A 231 | *A 5324* |
| AFD 50-24-**-P/S-* | *1 A* | 43,15 | 34,92 | 15,10 | 2,55 | 38,12 | 40,45 | 36,50 | 38,40 | 32,35 | 31,60 | AFD 50-24-**-P/S-* | A 231 | *A 5324* |

## Mounting styles

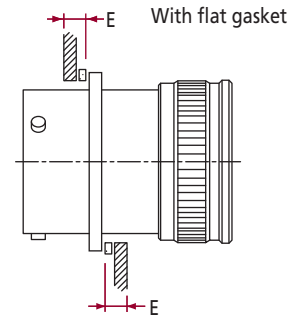


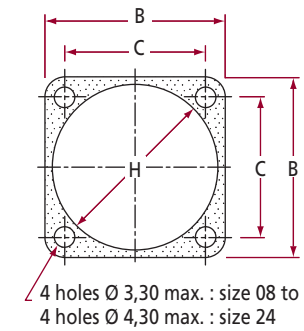




| Size | C ± 0,1 | H +0 - 0,2 | E max. |
|---|---|---|---|
| 08 | 15,08 | 16,05 | 2,50 |
| 10 | 18,26 | 19,00 | 2,50 |
| 12 | 20,62 | 22,25 | 2,50 |
| 14 | 23,02 | 25,40 | 2,50 |
| 16 | 24,58 | 28,60 | 2,50 |
| 18 | 26,98 | 31,75 | 2,50 |
| 20 | 29,36 | 34,90 | 5,40 |
| 22 | 31,76 | 38,10 | 5,40 |
| 24 | 34,92 | 41,30 | 5,40 |

## Flat gasket for square flange

To order apart

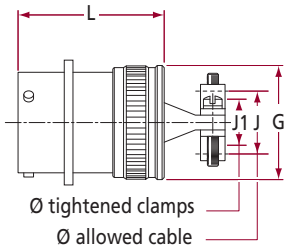



| Front Flange Mounting Size | Reference | H max. | B max. | C ± 0,1 | E max. | Rear Flange Mounting H max. | Reference | Size |
|---|---|---|---|---|---|---|---|---|
| 08 | 108-0003-08-A 624 | 12,50 | 21,00 | 15,08 | 2,50 | 13,20 | 108-0001-08-A 624 | 08 |
| 10 | 108-0003-10-A 624 | 15,40 | 24,20 | 18,26 | 2,50 | 16,40 | 108-0001-10-A 624 | 10 |
| 12 | 108-0001-12-A 624 | 19,50 | 26,55 | 20,62 | 2,50 | 19,50 | 108-0001-12-A 624 | 12 |
| 14 | 108-0001-14-A 624 | 22,70 | 28,95 | 23,02 | 2,50 | 22,70 | 108-0001-14-A 624 | 14 |
| 16 | 108-0001-16-A 624 | 25,90 | 31,30 | 24,58 | 2,50 | 25,90 | 108-0001-16-A 624 | 16 |
| 18 | 108-0003-18-A 624 | 29,10 | 33,70 | 26,98 | 2,50 | 27,50 | 108-0001-18-A 624 | 18 |
| 20 | 108-0003-20-A 624 | 32,30 | 36,85 | 29,36 | 5,40 | 30,60 | 108-0001-20-A 624 | 20 |
| 22 | 108-0003-22-A 624 | 35,40 | 39,95 | 31,75 | 5,40 | 33,50 | 108-0001-22-A 624 | 22 |
| 24 | 108-0003-24-A 624 | 38,60 | 43,15 | 34,92 | 5,40 | 37,00 | 108-0001-24-A 624 | 24 |

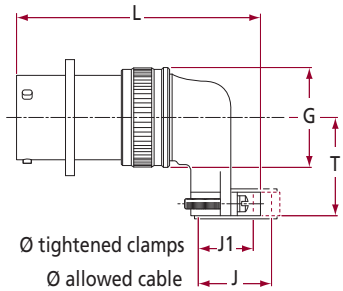
## Square flange

### • With straight cable clamp



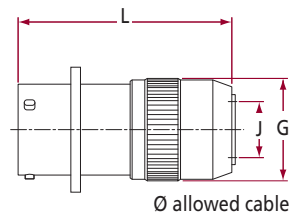

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|
| AFD 50-08-**-P/S-* 059 | 15,65 | 6,80 | 5,15 | 45,85 | AFD 50-08-**-P/S-* A 5347 |
| AFD 50-10-**-P/S-* 059 | 18,60 | 9,30 | 7,25 | 45,85 | AFD 50-10-**-P/S-* A 5347 |
| AFD 50-12-**-P/S-* 059 | 21,75 | 12,75 | 10,55 | 45,85 | AFD 50-12-**-P/S-* A 5347 |
| AFD 50-14-**-P/S-* 059 | 24,95 | 14,65 | 12,05 | 51,85 | AFD 50-14-**-P/S-* A 5347 |
| AFD 50-16-**-P/S-* 059 | 28,20 | 17,80 | 15,85 | 51,85 | AFD 50-16-**-P/S-* A 5347 |
| AFD 50-18-**-P/S-* 059 | 30,90 | 19,80 | 17,90 | 51,85 | AFD 50-18-**-P/S-* A 5347 |
| AFD 50-20-**-P/S-* 059 | 34,15 | 23,00 | 21,05 | 53,35 | AFD 50-20-**-P/S-* A 5347 |
| AFD 50-22-**-P/S-* 059 | 37,25 | 26,15 | 24,25 | 53,35 | AFD 50-22-**-P/S-* A 5347 |
| AFD 50-24-**-P/S-* 059 | 40,45 | 29,10 | 27,45 | 53,35 | AFD 50-24-**-P/S-* A 5347 |

### • With 90° end bell cable clamp



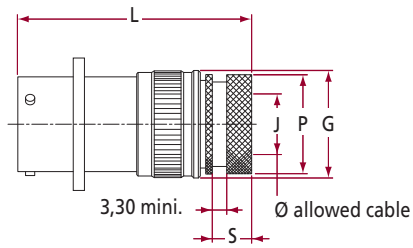

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 50-08-**-P/S-* 081 | 15,65 | 6,80 | 5,15 | 49,30 | 20,70 | AFD 50-08-**-P/S-* A 5543 |
| AFD 50-10-**-P/S-* 081 | 18,60 | 9,30 | 7,25 | 51,65 | 22,00 | AFD 50-10-**-P/S-* A 5543 |
| AFD 50-12-**-P/S-* 081 | 21,75 | 12,75 | 10,55 | 54,10 | 23,80 | AFD 50-12-**-P/S-* A 5543 |
| AFD 50-14-**-P/S-* 081 | 24,95 | 14,65 | 12,05 | 57,35 | 25,30 | AFD 50-14-**-P/S-* A 5543 |
| AFD 50-16-**-P/S-* 081 | 28,20 | 17,80 | 15,85 | 60,75 | 26,80 | AFD 50-16-**-P/S-* A 5543 |
| AFD 50-18-**-P/S-* 081 | 30,90 | 19,80 | 17,90 | 64,20 | 28,30 | AFD 50-18-**-P/S-* A 5543 |
| AFD 50-20-**-P/S-* 081 | 34,15 | 23,00 | 21,05 | 69,05 | 29,90 | AFD 50-20-**-P/S-* A 5543 |
| AFD 50-22-**-P/S-* 081 | 37,25 | 26,15 | 24,25 | 72,15 | 31,60 | AFD 50-22-**-P/S-* A 5543 |
| AFD 50-24-**-P/S-* 081 | 40,45 | 29,10 | 27,45 | 75,25 | 33,20 | AFD 50-24-**-P/S-* A 5543 |

### • With potting cup



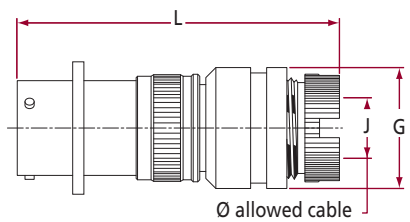

| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 50-08-**-P/S-* 083 | 15,65 | 4,60 | 44,70 | AFD 50-08-**-P/S-* A 5629 |
| AFD 50-10-**-P/S-* 083 | 18,60 | 6,60 | 44,70 | AFD 50-10-**-P/S-* A 5629 |
| AFD 50-12-**-P/S-* 083 | 21,75 | 10,00 | 44,70 | AFD 50-12-**-P/S-* A 5629 |
| AFD 50-14-**-P/S-* 083 | 24,95 | 11,50 | 50,20 | AFD 50-14-**-P/S-* A 5629 |
| AFD 50-16-**-P/S-* 083 | 28,20 | 15,30 | 50,20 | AFD 50-16-**-P/S-* A 5629 |
| AFD 50-18-**-P/S-* 083 | 30,90 | 17,30 | 50,20 | AFD 50-18-**-P/S-* A 5629 |
| AFD 50-20-**-P/S-* 083 | 34,15 | 20,50 | 51,70 | AFD 50-20-**-P/S-* A 5629 |
| AFD 50-22-**-P/S-* 083 | 37,25 | 23,70 | 51,70 | AFD 50-22-**-P/S-* A 5629 |
| AFD 50-24-**-P/S-* 083 | 40,45 | 26,80 | 51,70 | AFD 50-24-**-P/S-* A 5629 |

### • Fitting for thermo-shrink sleeve




| Nickel Plating Reference | G max. | J mini. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 50-08-**-P/S-* A 315 | 15,65 | 6,50 | 46,55 | 13,55 | 7,80 | AFD 50-08-**-P/S-* A 5563 |
| AFD 50-10-**-P/S-* A 315 | 18,60 | 9,20 | 46,55 | 15,40 | 7,80 | AFD 50-10-**-P/S-* A 5563 |
| AFD 50-12-**-P/S-* A 315 | 21,75 | 12,65 | 46,55 | 19,70 | 7,80 | AFD 50-12-**-P/S-* A 5563 |
| AFD 50-14-**-P/S-* A 315 | 24,95 | 14,50 | 46,55 | 21,30 | 7,80 | AFD 50-14-**-P/S-* A 5563 |
| AFD 50-16-**-P/S-* A 315 | 28,20 | 17,70 | 46,55 | 24,50 | 7,80 | AFD 50-16-**-P/S-* A 5563 |
| AFD 50-18-**-P/S-* A 315 | 30,90 | 19,70 | 46,55 | 26,50 | 7,80 | AFD 50-18-**-P/S-* A 5563 |
| AFD 50-20-**-P/S-* A 315 | 34,15 | 22,90 | 50,35 | 30,95 | 10,08 | AFD 50-20-**-P/S-* A 5563 |
| AFD 50-22-**-P/S-* A 315 | 37,25 | 26,05 | 51,00 | 34,45 | 10,65 | AFD 50-22-**-P/S-* A 5563 |
| AFD 50-24-**-P/S-* A 315 | 40,45 | 29,00 | 51,00 | 36,65 | 10,65 | AFD 50-24-**-P/S-* A 5563 |

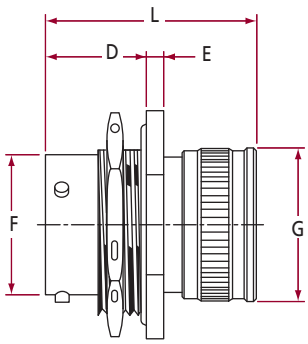
### • With grounding adaptor



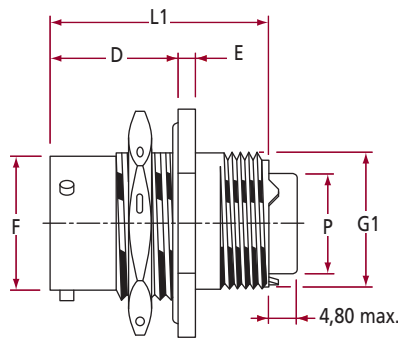

| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 50-08-**-P/S-* A 564 | 18,00 | 6,80 | 65,90 | AFD 50-08-**-P/S-* A 5534 |
| AFD 50-10-**-P/S-* A 564 | 20,10 | 9,30 | 65,70 | AFD 50-10-**-P/S-* A 5534 |
| AFD 50-12-**-P/S-* A 564 | 24,40 | 12,75 | 65,60 | AFD 50-12-**-P/S-* A 5534 |
| AFD 50-14-**-P/S-* A 564 | 27,50 | 14,65 | 65,80 | AFD 50-14-**-P/S-* A 5534 |
| AFD 50-16-**-P/S-* A 564 | 30,85 | 17,80 | 65,60 | AFD 50-16-**-P/S-* A 5534 |
| AFD 50-18-**-P/S-* A 564 | 33,90 | 19,80 | 64,90 | AFD 50-18-**-P/S-* A 5534 |
| AFD 50-20-**-P/S-* A 564 | 37,10 | 23,00 | 67,25 | AFD 50-20-**-P/S-* A 5534 |
| AFD 50-22-**-P/S-* A 564 | 40,20 | 26,15 | 67,35 | AFD 50-22-**-P/S-* A 5534 |
| AFD 50-24-**-P/S-* A 564 | 43,40 | 29,10 | 68,00 | AFD 50-24-**-P/S-* A 5534 |

Note : L dimension calculated for a braid of 1 m/m thickness

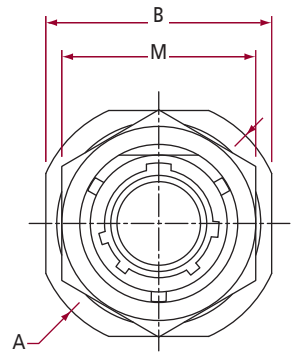
## Single hole mounting




With backshell
Nickel plating without Mod.
Olive drab cadmium plating Mod. A 231

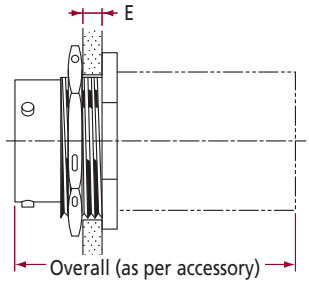


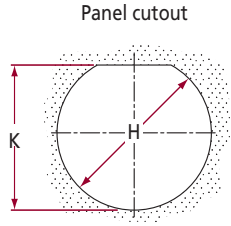

*Without backshell*
*Nickel plating Mod. 1A*
*Olive drab cadmium plating Mod. A 5324*




| Nickel Plating Reference | | A max. | B max. | D ± 0,15 | E max. | F max. | G max. | G1 max. | L max. | L1 max. | M max. | P max. | Olive Drab Cadmium Plating Reference | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AFD 54-08-**-P/S-* | *1 A* | 27,35 | 24,20 | 17,78 | 2,85 | 12,03 | 15,65 | 12,70 | 36,85 | 30,85 | 19,20 | 7,75 | AFD 54-08-**-P/S-* | A 231 | *A 5324* |
| AFD 54-10-**-P/S-* | *1 A* | 30,55 | 27,35 | 17,78 | 2,85 | 15,01 | 18,60 | 15,85 | 36,85 | 30,85 | 22,37 | 10,29 | AFD 54-10-**-P/S-* | A 231 | *A 5324* |
| AFD 54-12-**-P/S-* | *1 A* | 35,30 | 32,15 | 17,78 | 2,85 | 19,07 | 21,75 | 19,05 | 36,85 | 30,85 | 27,12 | 13,49 | AFD 54-12-**-P/S-* | A 231 | *A 5324* |
| AFD 54-14-**-P/S-* | *1 A* | 38,50 | 35,30 | 17,78 | 2,85 | 22,24 | 24,95 | 22,20 | 36,85 | 30,85 | 30,30 | 16,89 | AFD 54-14-**-P/S-* | A 231 | *A 5324* |
| AFD 54-16-**-P/S-* | *1 A* | 41,65 | 38,50 | 17,78 | 2,85 | 25,42 | 28,20 | 25,40 | 36,85 | 30,85 | 33,47 | 20,07 | AFD 54-16-**-P/S-* | A 231 | *A 5324* |
| AFD 54-18-**-P/S-* | *1 A* | 44,80 | 41,65 | 17,78 | 2,85 | 28,60 | 30,90 | 26,95 | 36,85 | 30,85 | 36,67 | 22,07 | AFD 54-18-**-P/S-* | A 231 | *A 5324* |
| AFD 54-20-**-P/S-* | *1 A* | 49,60 | 46,40 | 19,43 | 3,70 | 31,77 | 34,15 | 30,15 | 38,40 | 32,35 | 39,82 | 25,25 | AFD 54-20-**-P/S-* | A 231 | *A 5324* |
| AFD 54-22-**-P/S-* | *1 A* | 52,75 | 49,60 | 19,43 | 3,70 | 34,94 | 37,25 | 33,30 | 38,40 | 32,35 | 43,02 | 28,42 | AFD 54-22-**-P/S-* | A 231 | *A 5324* |
| AFD 54-24-**-P/S-* | *1 A* | 55,95 | 52,75 | 19,43 | 3,70 | 38,12 | 40,45 | 36,50 | 38,40 | 32,35 | 46,17 | 31,60 | AFD 54-24-**-P/S-* | A 231 | *A 5324* |

## Mounting styles




| Size | E max. | H +0 - 0,2 | K +0 - 0,2 | Tightening torque |
|---|---|---|---|---|
| 08 | 4,30 | 14,65 | 13,85 | 7,5 mN |
| 10 | 4,30 | 17,80 | 17,05 | 10 mN |
| 12 | 4,30 | 22,55 | 21,15 | 13 mN |
| 14 | 4,30 | 25,70 | 24,30 | 15 mN |
| 16 | 4,30 | 28,90 | 27,45 | 18 mN |
| 18 | 4,30 | 32,05 | 30,65 | 21 mN |
| 20 | 6,35 | 35,25 | 33,80 | 23 mN |
| 22 | 6,35 | 38,40 | 37,00 | 26 mN |
| 24 | 6,35 | 41,60 | 40,15 | 29 mN |

## Panel nut

| Size | Panel Nut Reference | Olive drab Cadmium | Nickel |
|---|---|---|---|
| 08 | 006-0980-08 | A 231 | A 499 |
| 10 | 006-0980-10 | A 231 | A 499 |
| 12 | 006-0980-12 | A 231 | A 499 |
| 14 | 006-0980-14 | A 231 | A 499 |
| 16 | 006-0980-16 | A 231 | A 499 |
| 18 | 006-0980-18 | A 231 | A 499 |
| 20 | 006-0980-20 | A 231 | A 499 |
| 22 | 006-0980-22 | A 231 | A 499 |
| 24 | 006-0980-24 | A 231 | A 499 |

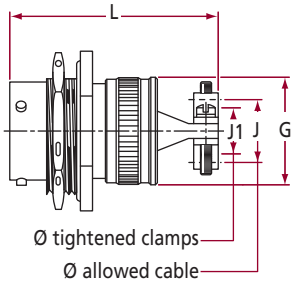
For single hole mounting receptacle

## O'ring panel

| Size | Reference |
|---|---|
| 08 | 103-0001-16-02 |
| 10 | 103-0001-18-02 |
| 12 | 103-0001-21-02 |
| 14 | 103-0001-23-02 |
| 16 | 103-0001-25-02 |
| 18 | 103-0001-27-02 |
| 20 | 103-0001-29-02 |
| 22 | 103-0001-30-02 |
| 24 | 103-0001-31-02 |

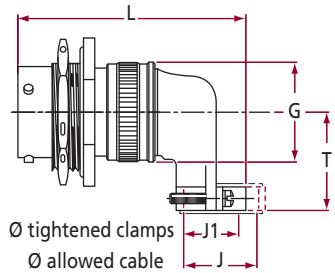
## Single hole mounting

### • With straight cable clamp



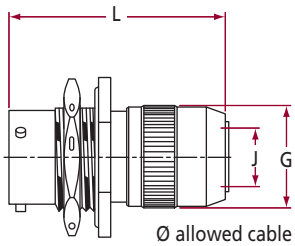

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|
| AFD 54-08-**-P/S-* 059 | 15,65 | 6,80 | 5,15 | 45,85 | AFD 54-08-**-P/S-* A 5347 |
| AFD 54-10-**-P/S-* 059 | 18,60 | 9,30 | 7,25 | 45,85 | AFD 54-10-**-P/S-* A 5347 |
| AFD 54-12-**-P/S-* 059 | 21,75 | 12,75 | 10,55 | 45,85 | AFD 54-12-**-P/S-* A 5347 |
| AFD 54-14-**-P/S-* 059 | 24,95 | 14,65 | 12,05 | 51,85 | AFD 54-14-**-P/S-* A 5347 |
| AFD 54-16-**-P/S-* 059 | 28,20 | 17,80 | 15,85 | 51,85 | AFD 54-16-**-P/S-* A 5347 |
| AFD 54-18-**-P/S-* 059 | 30,90 | 19,80 | 17,90 | 51,85 | AFD 54-18-**-P/S-* A 5347 |
| AFD 54-20-**-P/S-* 059 | 34,15 | 23,00 | 21,05 | 53,35 | AFD 54-20-**-P/S-* A 5347 |
| AFD 54-22-**-P/S-* 059 | 37,25 | 26,15 | 24,25 | 53,35 | AFD 54-22-**-P/S-* A 5347 |
| AFD 54-24-**-P/S-* 059 | 40,45 | 29,10 | 27,45 | 53,35 | AFD 54-24-**-P/S-* A 5347 |

### • With 90° end bell cable clamp



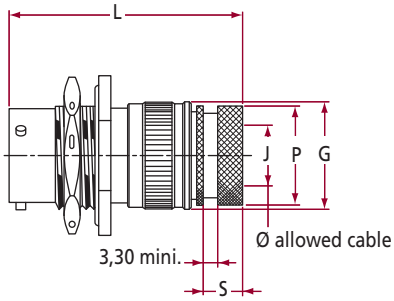

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 54-08-**-P/S-* 081 | 15,65 | 6,80 | 5,15 | 49,30 | 20,70 | AFD 54-08-**-P/S-* A 5543 |
| AFD 54-10-**-P/S-* 081 | 18,60 | 9,30 | 7,25 | 51,65 | 22,00 | AFD 54-10-**-P/S-* A 5543 |
| AFD 54-12-**-P/S-* 081 | 21,75 | 12,75 | 10,55 | 54,10 | 23,80 | AFD 54-12-**-P/S-* A 5543 |
| AFD 54-14-**-P/S-* 081 | 24,95 | 14,65 | 12,05 | 57,35 | 25,30 | AFD 54-14-**-P/S-* A 5543 |
| AFD 54-16-**-P/S-* 081 | 28,20 | 17,80 | 15,85 | 60,75 | 26,80 | AFD 54-16-**-P/S-* A 5543 |
| AFD 54-18-**-P/S-* 081 | 30,90 | 19,80 | 17,90 | 64,20 | 28,30 | AFD 54-18-**-P/S-* A 5543 |
| AFD 54-20-**-P/S-* 081 | 34,15 | 23,00 | 21,05 | 69,05 | 29,90 | AFD 54-20-**-P/S-* A 5543 |
| AFD 54-22-**-P/S-* 081 | 37,25 | 26,15 | 24,25 | 72,15 | 31,60 | AFD 54-22-**-P/S-* A 5543 |
| AFD 54-24-**-P/S-* 081 | 40,45 | 29,10 | 27,45 | 75,25 | 33,20 | AFD 54-24-**-P/S-* A 5543 |

### • With potting cup



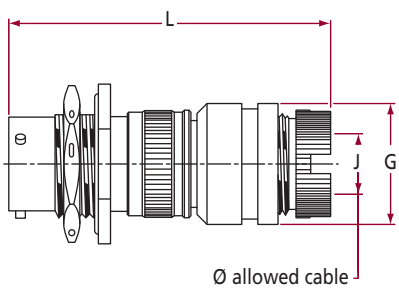

| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 54-08-**-P/S-* 083 | 15,65 | 4,60 | 44,70 | AFD 54-08-**-P/S-* A 5629 |
| AFD 54-10-**-P/S-* 083 | 18,60 | 6,60 | 44,70 | AFD 54-10-**-P/S-* A 5629 |
| AFD 54-12-**-P/S-* 083 | 21,75 | 10,00 | 44,70 | AFD 54-12-**-P/S-* A 5629 |
| AFD 54-14-**-P/S-* 083 | 24,95 | 11,50 | 50,20 | AFD 54-14-**-P/S-* A 5629 |
| AFD 54-16-**-P/S-* 083 | 28,20 | 15,30 | 50,20 | AFD 54-16-**-P/S-* A 5629 |
| AFD 54-18-**-P/S-* 083 | 30,90 | 17,30 | 50,20 | AFD 54-18-**-P/S-* A 5629 |
| AFD 54-20-**-P/S-* 083 | 34,15 | 20,50 | 51,70 | AFD 54-20-**-P/S-* A 5629 |
| AFD 54-22-**-P/S-* 083 | 37,25 | 23,70 | 51,70 | AFD 54-22-**-P/S-* A 5629 |
| AFD 54-24-**-P/S-* 083 | 40,45 | 26,80 | 51,70 | AFD 54-24-**-P/S-* A 5629 |

### • Fitting for thermo-shrink sleeve




| Nickel Plating Reference | G max. | J max. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 54-08-**-P/S-* A 315 | 15,65 | 6,50 | 46,55 | 13,55 | 7,80 | AFD 54-08-**-P/S-* A 5563 |
| AFD 54-10-**-P/S-* A 315 | 18,60 | 9,20 | 46,55 | 15,40 | 7,80 | AFD 54-10-**-P/S-* A 5563 |
| AFD 54-12-**-P/S-* A 315 | 21,75 | 12,65 | 46,55 | 19,70 | 7,80 | AFD 54-12-**-P/S-* A 5563 |
| AFD 54-14-**-P/S-* A 315 | 24,95 | 14,50 | 46,55 | 21,30 | 7,80 | AFD 54-14-**-P/S-* A 5563 |
| AFD 54-16-**-P/S-* A 315 | 28,20 | 17,70 | 46,55 | 24,50 | 7,80 | AFD 54-16-**-P/S-* A 5563 |
| AFD 54-18-**-P/S-* A 315 | 30,90 | 19,70 | 46,55 | 26,50 | 7,80 | AFD 54-18-**-P/S-* A 5563 |
| AFD 54-20-**-P/S-* A 315 | 34,15 | 22,90 | 50,35 | 30,95 | 10,08 | AFD 54-20-**-P/S-* A 5563 |
| AFD 54-22-**-P/S-* A 315 | 37,25 | 26,05 | 51,00 | 34,45 | 10,65 | AFD 54-22-**-P/S-* A 5563 |
| AFD 54-24-**-P/S-* A 315 | 40,45 | 29,00 | 51,00 | 36,65 | 10,65 | AFD 54-24-**-P/S-* A 5563 |

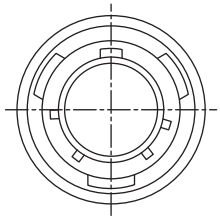
### • With grounding adaptor

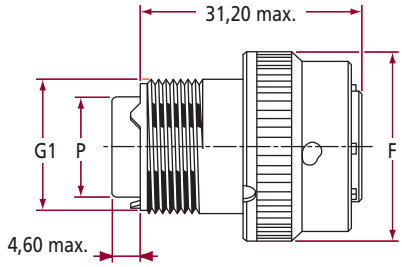



| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 54-08-**-P/S-* A 564 | 18,00 | 6,80 | 65,90 | AFD 54-08-**-P/S-* A 5534 |
| AFD 54-10-**-P/S-* A 564 | 20,10 | 9,30 | 65,70 | AFD 54-10-**-P/S-* A 5534 |
| AFD 54-12-**-P/S-* A 564 | 24,40 | 12,75 | 65,60 | AFD 54-12-**-P/S-* A 5534 |
| AFD 54-14-**-P/S-* A 564 | 27,50 | 14,65 | 65,80 | AFD 54-14-**-P/S-* A 5534 |
| AFD 54-16-**-P/S-* A 564 | 30,85 | 17,80 | 65,60 | AFD 54-16-**-P/S-* A 5534 |
| AFD 54-18-**-P/S-* A 564 | 33,90 | 19,80 | 64,90 | AFD 54-18-**-P/S-* A 5534 |
| AFD 54-20-**-P/S-* A 564 | 37,10 | 23,00 | 67,25 | AFD 54-20-**-P/S-* A 5534 |
| AFD 54-22-**-P/S-* A 564 | 40,20 | 26,15 | 67,35 | AFD 54-22-**-P/S-* A 5534 |
| AFD 54-24-**-P/S-* A 564 | 43,40 | 29,10 | 68,00 | AFD 54-24-**-P/S-* A 5534 |

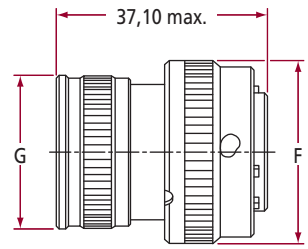
Note : L dimension calculated for a braid of 1 m/m thickness

## Plugs





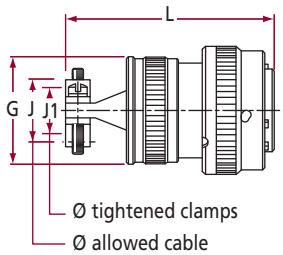

*Without backshell*
*Nickel plating Mod. 1A*
*Olive drab cadmium plating Mod. A 5324*




With backshell
Nickel plating without Mod.
Olive drab cadmium plating Mod. A 231

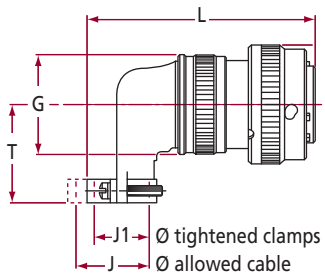
| Nickel Plating Reference | | F max. | G max. | G1 max. | P max. | Olive Drab Cadmium Plating Reference | | |
|---|---|---|---|---|---|---|---|---|
| AFD 56-08-**-P/S-* | *1 A* | 19,75 | 15,65 | 12,70 | 7,75 | AFD 56-08-**-P/S-* | A 231 | *A 5324* |
| AFD 56-10-**-P/S-* | *1 A* | 22,70 | 18,60 | 15,85 | 10,29 | AFD 56-10-**-P/S-* | A 231 | *A 5324* |
| AFD 56-12-**-P/S-* | *1 A* | 26,45 | 21,75 | 19,05 | 13,49 | AFD 56-12-**-P/S-* | A 231 | *A 5324* |
| AFD 56-14-**-P/S-* | *1 A* | 29,95 | 24,95 | 22,20 | 16,89 | AFD 56-14-**-P/S-* | A 231 | *A 5324* |
| AFD 56-16-**-P/S-* | *1 A* | 32,95 | 28,20 | 25,40 | 20,07 | AFD 56-16-**-P/S-* | A 231 | *A 5324* |
| AFD 56-18-**-P/S-* | *1 A* | 35,30 | 30,90 | 26,95 | 22,07 | AFD 56-18-**-P/S-* | A 231 | *A 5324* |
| AFD 56-20-**-P/S-* | *1 A* | 38,85 | 34,15 | 30,15 | 25,25 | AFD 56-20-**-P/S-* | A 231 | *A 5324* |
| AFD 56-22-**-P/S-* | *1 A* | 42,05 | 37,25 | 33,30 | 28,42 | AFD 56-22-**-P/S-* | A 231 | *A 5324* |
| AFD 56-24-**-P/S-* | *1 A* | 45,05 | 40,45 | 36,50 | 31,60 | AFD 56-24-**-P/S-* | A 231 | *A 5324* |

## • With straight cable clamp



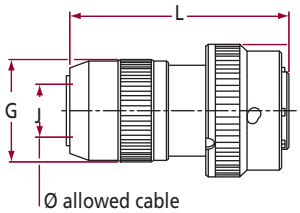

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|
| AFD 56-08-**-P/S-* 059 | 15,65 | 6,80 | 5,15 | 46,10 | AFD 56-08-**-P/S-* A 5347 |
| AFD 56-10-**-P/S-* 059 | 18,60 | 9,30 | 7,25 | 46,10 | AFD 56-10-**-P/S-* A 5347 |
| AFD 56-12-**-P/S-* 059 | 21,75 | 12,75 | 10,55 | 46,10 | AFD 56-12-**-P/S-* A 5347 |
| AFD 56-14-**-P/S-* 059 | 24,95 | 14,65 | 12,05 | 52,10 | AFD 56-14-**-P/S-* A 5347 |
| AFD 56-16-**-P/S-* 059 | 28,20 | 17,80 | 15,85 | 52,10 | AFD 56-16-**-P/S-* A 5347 |
| AFD 56-18-**-P/S-* 059 | 30,90 | 19,80 | 17,90 | 52,10 | AFD 56-18-**-P/S-* A 5347 |
| AFD 56-20-**-P/S-* 059 | 34,15 | 23,00 | 21,05 | 52,10 | AFD 56-20-**-P/S-* A 5347 |
| AFD 56-22-**-P/S-* 059 | 37,25 | 26,15 | 24,25 | 52,10 | AFD 56-22-**-P/S-* A 5347 |
| AFD 56-24-**-P/S-* 059 | 40,45 | 29,10 | 27,45 | 52,10 | AFD 56-24-**-P/S-* A 5347 |

## • With 90° end bell cable clamp



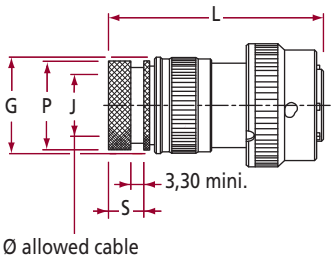

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 56-08-**-P/S-* 081 | 15,65 | 6,80 | 5,15 | 49,55 | 20,70 | AFD 56-08-**-P/S-* A 5543 |
| AFD 56-10-**-P/S-* 081 | 18,60 | 9,30 | 7,25 | 51,90 | 22,00 | AFD 56-10-**-P/S-* A 5543 |
| AFD 56-12-**-P/S-* 081 | 21,75 | 12,75 | 10,55 | 55,35 | 23,80 | AFD 56-12-**-P/S-* A 5543 |
| AFD 56-14-**-P/S-* 081 | 24,95 | 14,65 | 12,05 | 57,60 | 25,30 | AFD 56-14-**-P/S-* A 5543 |
| AFD 56-16-**-P/S-* 081 | 28,20 | 17,80 | 15,85 | 61,00 | 26,80 | AFD 56-16-**-P/S-* A 5543 |
| AFD 56-18-**-P/S-* 081 | 30,90 | 19,80 | 17,90 | 64,45 | 28,30 | AFD 56-18-**-P/S-* A 5543 |
| AFD 56-20-**-P/S-* 081 | 34,15 | 23,00 | 21,05 | 67,80 | 29,90 | AFD 56-20-**-P/S-* A 5543 |
| AFD 56-22-**-P/S-* 081 | 37,25 | 26,15 | 24,25 | 70,90 | 31,60 | AFD 56-22-**-P/S-* A 5543 |
| AFD 56-24-**-P/S-* 081 | 40,45 | 29,10 | 27,45 | 74,00 | 33,20 | AFD 56-24-**-P/S-* A 5543 |

## • With potting cup



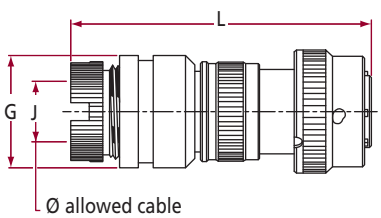

| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 56-08-**-P/S-* 083 | 15,65 | 4,60 | 45,45 | AFD 56-08-**-P/S-* A 5629 |
| AFD 56-10-**-P/S-* 083 | 18,60 | 6,60 | 45,45 | AFD 56-10-**-P/S-* A 5629 |
| AFD 56-12-**-P/S-* 083 | 21,75 | 10,00 | 45,45 | AFD 56-12-**-P/S-* A 5629 |
| AFD 56-14-**-P/S-* 083 | 24,95 | 11,50 | 50,95 | AFD 56-14-**-P/S-* A 5629 |
| AFD 56-16-**-P/S-* 083 | 28,20 | 15,30 | 50,95 | AFD 56-16-**-P/S-* A 5629 |
| AFD 56-18-**-P/S-* 083 | 30,90 | 17,30 | 50,95 | AFD 56-18-**-P/S-* A 5629 |
| AFD 56-20-**-P/S-* 083 | 34,15 | 20,50 | 50,95 | AFD 56-20-**-P/S-* A 5629 |
| AFD 56-22-**-P/S-* 083 | 37,25 | 23,70 | 50,95 | AFD 56-22-**-P/S-* A 5629 |
| AFD 56-24-**-P/S-* 083 | 40,45 | 26,80 | 50,95 | AFD 56-24-**-P/S-* A 5629 |

## • Fitting for thermo-shrink sleeve




| Nickel Plating Reference | G max. | J max. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 56-08-**-P/S-* A 315 | 15,65 | 6,50 | 46,80 | 13,55 | 7,80 | AFD 56-08-**-P/S-* A 5563 |
| AFD 56-10-**-P/S-* A 315 | 18,60 | 9,20 | 46,80 | 15,40 | 7,80 | AFD 56-10-**-P/S-* A 5563 |
| AFD 56-12-**-P/S-* A 315 | 21,75 | 12,65 | 46,80 | 19,70 | 7,80 | AFD 56-12-**-P/S-* A 5563 |
| AFD 56-14-**-P/S-* A 315 | 24,95 | 14,50 | 46,80 | 21,30 | 7,80 | AFD 56-14-**-P/S-* A 5563 |
| AFD 56-16-**-P/S-* A 315 | 28,20 | 17,70 | 46,80 | 24,50 | 7,80 | AFD 56-16-**-P/S-* A 5563 |
| AFD 56-18-**-P/S-* A 315 | 30,90 | 19,70 | 46,80 | 26,50 | 7,80 | AFD 56-18-**-P/S-* A 5563 |
| AFD 56-20-**-P/S-* A 315 | 34,15 | 22,90 | 49,10 | 30,95 | 10,08 | AFD 56-20-**-P/S-* A 5563 |
| AFD 56-22-**-P/S-* A 315 | 37,25 | 26,05 | 49,75 | 34,45 | 10,65 | AFD 56-22-**-P/S-* A 5563 |
| AFD 56-24-**-P/S-* A 315 | 40,45 | 29,00 | 49,75 | 36,65 | 10,65 | AFD 56-24-**-P/S-* A 5563 |

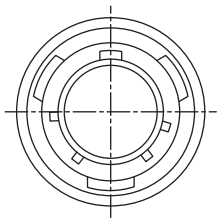
## • With grounding adaptor

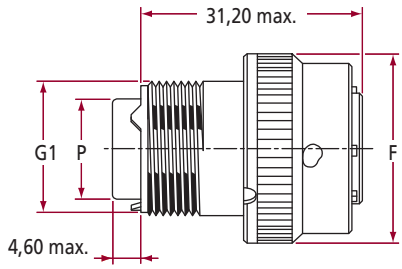



| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 56-08-**-P/S-* A 564 | 18,00 | 6,80 | 66,20 | AFD 56-08-**-P/S-* A 5534 |
| AFD 56-10-**-P/S-* A 564 | 20,10 | 9,30 | 66,00 | AFD 56-10-**-P/S-* A 5534 |
| AFD 56-12-**-P/S-* A 564 | 24,40 | 12,75 | 65,90 | AFD 56-12-**-P/S-* A 5534 |
| AFD 56-14-**-P/S-* A 564 | 27,50 | 14,65 | 66,10 | AFD 56-14-**-P/S-* A 5534 |
| AFD 56-16-**-P/S-* A 564 | 30,85 | 17,80 | 65,90 | AFD 56-16-**-P/S-* A 5534 |
| AFD 56-18-**-P/S-* A 564 | 33,90 | 19,80 | 65,20 | AFD 56-18-**-P/S-* A 5534 |
| AFD 56-20-**-P/S-* A 564 | 37,10 | 23,00 | 66,00 | AFD 56-20-**-P/S-* A 5534 |
| AFD 56-22-**-P/S-* A 564 | 40,20 | 26,15 | 66,10 | AFD 56-22-**-P/S-* A 5534 |
| AFD 56-24-**-P/S-* A 564 | 43,40 | 29,10 | 66,75 | AFD 56-24-**-P/S-* A 5534 |

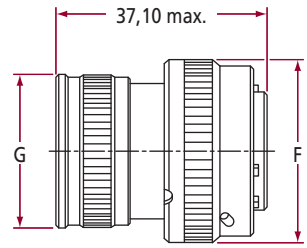
Note : L dimension calculated for a braid of 1 m/m thickness

## • With RFI fingers





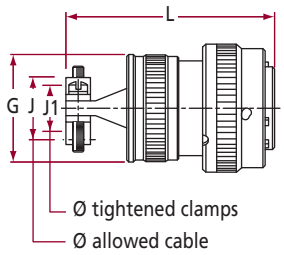

*Without backshell*
*Nickel plating Mod. 1A*
*Olive drab cadmium plating Mod. A 5324*




With backshell
Nickel plating without Mod.
Olive drab cadmium plating Mod. A 231

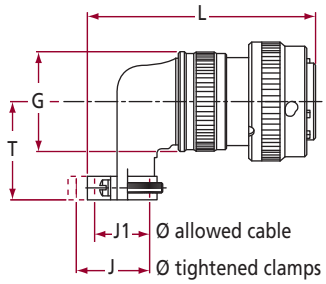
| Nickel Plating Reference | | F max. | G max. | G1 max. | P max. | Olive Drab Cadmium Plating Reference | | |
|---|---|---|---|---|---|---|---|---|
| AFD 57-08-**-P/S-* | *1 A* | 19,75 | 15,65 | 12,70 | 7,75 | AFD 57-08-**-P/S-* | A 231 | *A 5324* |
| AFD 57-10-**-P/S-* | *1 A* | 22,70 | 18,60 | 15,85 | 10,29 | AFD 57-10-**-P/S-* | A 231 | *A 5324* |
| AFD 57-12-**-P/S-* | *1 A* | 26,45 | 21,75 | 19,05 | 13,49 | AFD 57-12-**-P/S-* | A 231 | *A 5324* |
| AFD 57-14-**-P/S-* | *1 A* | 29,95 | 24,95 | 22,20 | 16,89 | AFD 57-14-**-P/S-* | A 231 | *A 5324* |
| AFD 57-16-**-P/S-* | *1 A* | 32,95 | 28,20 | 25,40 | 20,07 | AFD 57-16-**-P/S-* | A 231 | *A 5324* |
| AFD 57-18-**-P/S-* | *1 A* | 35,30 | 30,90 | 26,95 | 22,07 | AFD 57-18-**-P/S-* | A 231 | *A 5324* |
| AFD 57-20-**-P/S-* | *1 A* | 38,85 | 34,15 | 30,15 | 25,25 | AFD 57-20-**-P/S-* | A 231 | *A 5324* |
| AFD 57-22-**-P/S-* | *1 A* | 42,05 | 37,25 | 33,30 | 28,42 | AFD 57-22-**-P/S-* | A 231 | *A 5324* |
| AFD 57-24-**-P/S-* | *1 A* | 45,05 | 40,45 | 36,50 | 31,60 | AFD 57-24-**-P/S-* | A 231 | *A 5324* |

## • With straight cable clamp



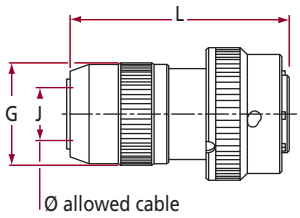

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|
| AFD 57-08-**-P/S-* 059 | 15,65 | 6,80 | 5,15 | 46,10 | AFD 57-08-**-P/S-* A 5347 |
| AFD 57-10-**-P/S-* 059 | 18,60 | 9,30 | 7,25 | 46,10 | AFD 57-10-**-P/S-* A 5347 |
| AFD 57-12-**-P/S-* 059 | 21,75 | 12,75 | 10,55 | 46,10 | AFD 57-12-**-P/S-* A 5347 |
| AFD 57-14-**-P/S-* 059 | 24,95 | 14,65 | 12,05 | 52,10 | AFD 57-14-**-P/S-* A 5347 |
| AFD 57-16-**-P/S-* 059 | 28,20 | 17,80 | 15,85 | 52,10 | AFD 57-16-**-P/S-* A 5347 |
| AFD 57-18-**-P/S-* 059 | 30,90 | 19,80 | 17,90 | 52,10 | AFD 57-18-**-P/S-* A 5347 |
| AFD 57-20-**-P/S-* 059 | 34,15 | 23,00 | 21,05 | 52,10 | AFD 57-20-**-P/S-* A 5347 |
| AFD 57-22-**-P/S-* 059 | 37,25 | 26,15 | 24,25 | 52,10 | AFD 57-22-**-P/S-* A 5347 |
| AFD 57-24-**-P/S-* 059 | 40,45 | 29,10 | 27,45 | 52,10 | AFD 57-24-**-P/S-* A 5347 |

## • With 90° end bell cable clamp



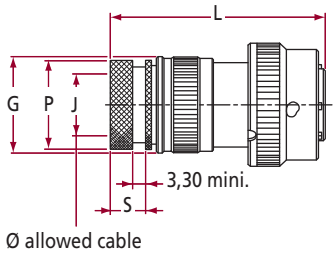

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 57-08-**-P/S-* 081 | 15,65 | 6,80 | 5,15 | 49,55 | 20,70 | AFD 57-08-**-P/S-* A 5543 |
| AFD 57-10-**-P/S-* 081 | 18,60 | 9,30 | 7,25 | 51,90 | 22,00 | AFD 57-10-**-P/S-* A 5543 |
| AFD 57-12-**-P/S-* 081 | 21,75 | 12,75 | 10,55 | 55,35 | 23,80 | AFD 57-12-**-P/S-* A 5543 |
| AFD 57-14-**-P/S-* 081 | 24,95 | 14,65 | 12,05 | 57,60 | 25,30 | AFD 57-14-**-P/S-* A 5543 |
| AFD 57-16-**-P/S-* 081 | 28,20 | 17,80 | 15,85 | 61,00 | 26,80 | AFD 57-16-**-P/S-* A 5543 |
| AFD 57-18-**-P/S-* 081 | 30,90 | 19,80 | 17,90 | 64,45 | 28,30 | AFD 57-18-**-P/S-* A 5543 |
| AFD 57-20-**-P/S-* 081 | 34,15 | 23,00 | 21,05 | 67,80 | 29,90 | AFD 57-20-**-P/S-* A 5543 |
| AFD 57-22-**-P/S-* 081 | 37,25 | 26,15 | 24,25 | 70,90 | 31,60 | AFD 57-22-**-P/S-* A 5543 |
| AFD 57-24-**-P/S-* 081 | 40,45 | 29,10 | 27,45 | 74,00 | 33,20 | AFD 57-24-**-P/S-* A 5543 |

## • With potting cup



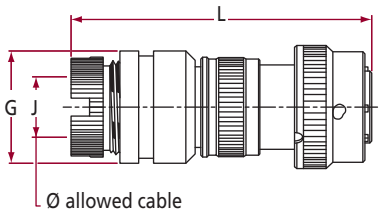

| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 57-08-**-P/S-* 083 | 15,65 | 4,60 | 45,45 | AFD 57-08-**-P/S-* A 5629 |
| AFD 57-10-**-P/S-* 083 | 18,60 | 6,60 | 45,45 | AFD 57-10-**-P/S-* A 5629 |
| AFD 57-12-**-P/S-* 083 | 21,75 | 10,00 | 45,45 | AFD 57-12-**-P/S-* A 5629 |
| AFD 57-14-**-P/S-* 083 | 24,95 | 11,50 | 50,95 | AFD 57-14-**-P/S-* A 5629 |
| AFD 57-16-**-P/S-* 083 | 28,20 | 15,30 | 50,95 | AFD 57-16-**-P/S-* A 5629 |
| AFD 57-18-**-P/S-* 083 | 30,90 | 17,30 | 50,95 | AFD 57-18-**-P/S-* A 5629 |
| AFD 57-20-**-P/S-* 083 | 34,15 | 20,50 | 50,95 | AFD 57-20-**-P/S-* A 5629 |
| AFD 57-22-**-P/S-* 083 | 37,25 | 23,70 | 50,95 | AFD 57-22-**-P/S-* A 5629 |
| AFD 57-24-**-P/S-* 083 | 40,45 | 26,80 | 50,95 | AFD 57-24-**-P/S-* A 5629 |

## • Fitting for thermo-shrink sleeve




| Nickel Plating Reference | G max. | J max. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 57-08-**-P/S-* A 315 | 15,65 | 6,50 | 46,80 | 13,55 | 7,80 | AFD 57-08-**-P/S-* A 5563 |
| AFD 57-10-**-P/S-* A 315 | 18,60 | 9,20 | 46,80 | 15,40 | 7,80 | AFD 57-10-**-P/S-* A 5563 |
| AFD 57-12-**-P/S-* A 315 | 21,75 | 12,65 | 46,80 | 19,70 | 7,80 | AFD 57-12-**-P/S-* A 5563 |
| AFD 57-14-**-P/S-* A 315 | 24,95 | 14,50 | 46,80 | 21,30 | 7,80 | AFD 57-14-**-P/S-* A 5563 |
| AFD 57-16-**-P/S-* A 315 | 28,20 | 17,70 | 46,80 | 24,50 | 7,80 | AFD 57-16-**-P/S-* A 5563 |
| AFD 57-18-**-P/S-* A 315 | 30,90 | 19,70 | 46,80 | 26,50 | 7,80 | AFD 57-18-**-P/S-* A 5563 |
| AFD 57-20-**-P/S-* A 315 | 34,15 | 22,90 | 49,10 | 30,95 | 10,08 | AFD 57-20-**-P/S-* A 5563 |
| AFD 57-22-**-P/S-* A 315 | 37,25 | 26,05 | 49,75 | 34,45 | 10,65 | AFD 57-22-**-P/S-* A 5563 |
| AFD 57-24-**-P/S-* A 315 | 40,45 | 29,00 | 49,75 | 36,65 | 10,65 | AFD 57-24-**-P/S-* A 5563 |

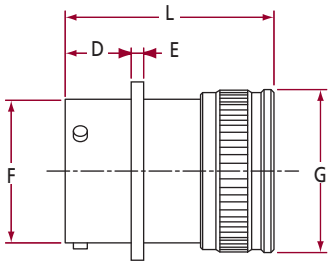
## • With grounding adaptor



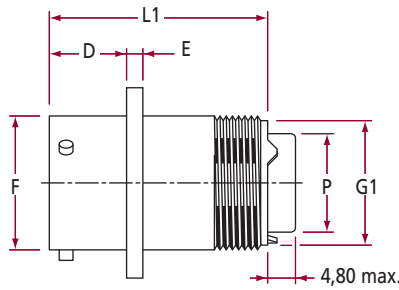

| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 57-08-**-P/S-* A 564 | 18,00 | 6,80 | 66,20 | AFD 57-08-**-P/S-* A 5534 |
| AFD 57-10-**-P/S-* A 564 | 20,10 | 9,30 | 66,00 | AFD 57-10-**-P/S-* A 5534 |
| AFD 57-12-**-P/S-* A 564 | 24,40 | 12,75 | 65,90 | AFD 57-12-**-P/S-* A 5534 |
| AFD 57-14-**-P/S-* A 564 | 27,50 | 14,65 | 66,10 | AFD 57-14-**-P/S-* A 5534 |
| AFD 57-16-**-P/S-* A 564 | 30,85 | 17,80 | 65,90 | AFD 57-16-**-P/S-* A 5534 |
| AFD 57-18-**-P/S-* A 564 | 33,90 | 19,80 | 65,20 | AFD 57-18-**-P/S-* A 5534 |
| AFD 57-20-**-P/S-* A 564 | 37,10 | 23,00 | 66,00 | AFD 57-20-**-P/S-* A 5534 |
| AFD 57-22-**-P/S-* A 564 | 40,20 | 26,15 | 66,10 | AFD 57-22-**-P/S-* A 5534 |
| AFD 57-24-**-P/S-* A 564 | 43,40 | 29,10 | 66,75 | AFD 57-24-**-P/S-* A 5534 |

Note : L dimension calculated for a braid of 1 m/m thickness

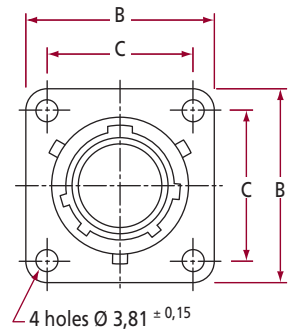
## Large square flange receptacle




With backshell
Nickel plating without Mod.
Olive drab cadmium plating Mod. A 231

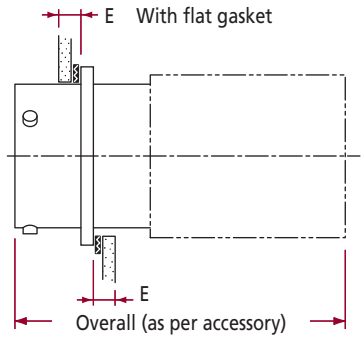


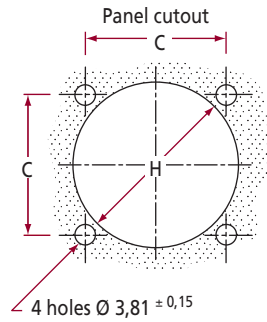

*Without backshell*
*Nickel plating Mod. 1A*
*Olive drab cadmium plating Mod. A 5324*




| Nickel Plating Reference | | B max. | C ± 0,1 | D ± 0,15 | E max. | F max. | G max. | G1 max. | L max. | L1 max. | P max. | Olive Drab Cadmium Plating Reference | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AFD 58-08-**-P/S-* | *1 A* | 27,05 | 18,64 | 11,89 | 1,95 | 12,03 | 15,65 | 12,70 | 36,85 | 30,85 | 7,75 | AFD 58-08-**-P/S-* | A 231 | *A 5324* |
| AFD 58-10-**-P/S-* | *1 A* | 28,95 | 20,62 | 11,89 | 1,95 | 15,01 | 18,60 | 15,85 | 36,85 | 30,85 | 10,29 | AFD 58-10-**-P/S-* | A 231 | *A 5324* |
| AFD 58-12-**-P/S-* | *1 A* | 32,15 | 23,82 | 11,89 | 1,95 | 19,07 | 21,75 | 19,05 | 36,85 | 30,85 | 13,49 | AFD 58-12-**-P/S-* | A 231 | *A 5324* |
| AFD 58-14-**-P/S-* | *1 A* | 34,50 | 26,22 | 11,89 | 1,95 | 22,24 | 24,95 | 22,20 | 36,85 | 30,85 | 16,89 | AFD 58-14-**-P/S-* | A 231 | *A 5324* |
| AFD 58-16-**-P/S-* | *1 A* | 36,90 | 28,56 | 11,89 | 1,95 | 25,42 | 28,20 | 25,40 | 36,85 | 30,85 | 20,07 | AFD 58-16-**-P/S-* | A 231 | *A 5324* |
| AFD 58-18-**-P/S-* | *1 A* | 38,90 | 30,58 | 11,89 | 1,95 | 28,60 | 30,90 | 26,95 | 36,85 | 30,85 | 22,07 | AFD 58-18-**-P/S-* | A 231 | *A 5324* |
| AFD 58-20-**-P/S-* | *1 A* | 42,85 | 32,96 | 14,30 | 2,55 | 31,77 | 34,15 | 30,15 | 38,40 | 32,35 | 25,25 | AFD 58-20-**-P/S-* | A 231 | *A 5324* |
| AFD 58-22-**-P/S-* | *1 A* | 44,85 | 34,96 | 14,30 | 2,55 | 34,94 | 37,25 | 33,30 | 38,40 | 32,35 | 28,42 | AFD 58-22-**-P/S-* | A 231 | *A 5324* |
| AFD 58-24-**-P/S-* | *1 A* | 48,00 | 38,10 | 15,37 | 2,55 | 38,12 | 40,45 | 36,50 | 38,40 | 32,35 | 31,60 | AFD 58-24-**-P/S-* | A 231 | *A 5324* |

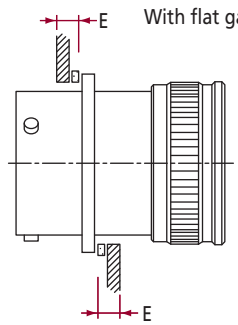
## Mounting styles

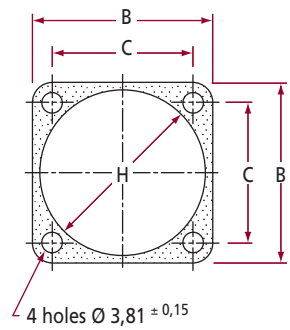



| Size | C ± 0,1 | H +0 - 0,2 | E max. |
|---|---|---|---|
| 08 | 18,64 | 16,05 | 2,50 |
| 10 | 20,62 | 19,00 | 2,50 |
| 12 | 23,82 | 22,25 | 2,50 |
| 14 | 26,22 | 25,40 | 2,50 |
| 16 | 28,56 | 28,60 | 2,50 |
| 18 | 30,58 | 31,75 | 2,50 |
| 20 | 32,96 | 34,90 | 5,40 |
| 22 | 34,96 | 38,10 | 5,40 |
| 24 | 38,10 | 41,30 | 5,40 |

## Flat gasket for square flange receptacle



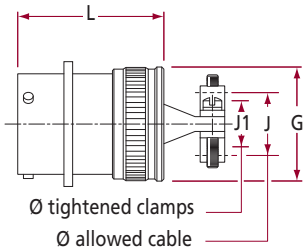




| Front Flange Mounting Size | Reference | H max. | B max. | C ± 0,1 | E max. | Rear Flange Mounting H max. | Reference | Size |
|---|---|---|---|---|---|---|---|---|
| 08 | 108-0003-08-A 624 | 12,50 | 21,00 | 15,08 | 2,50 | 13,20 | 108-0001-08-A 624 | 08 |
| 10 | 108-0003-10-A 624 | 15,40 | 24,20 | 18,26 | 2,50 | 16,40 | 108-0001-10-A 624 | 10 |
| 12 | 108-0001-12-A 624 | 19,50 | 26,55 | 20,62 | 2,50 | 19,50 | 108-0001-12-A 624 | 12 |
| 14 | 108-0001-14-A 624 | 22,70 | 28,95 | 23,02 | 2,50 | 22,70 | 108-0001-14-A 624 | 14 |
| 16 | 108-0001-16-A 624 | 25,90 | 31,30 | 24,58 | 2,50 | 25,90 | 108-0001-16-A 624 | 16 |
| 18 | 108-0003-18-A 624 | 29,10 | 33,70 | 26,98 | 2,50 | 27,50 | 108-0001-18-A 624 | 18 |
| 20 | 108-0003-20-A 624 | 32,30 | 36,85 | 29,36 | 5,40 | 30,60 | 108-0001-20-A 624 | 20 |
| 22 | 108-0003-22-A 624 | 35,40 | 39,95 | 31,75 | 5,40 | 33,50 | 108-0001-22-A 624 | 22 |
| 24 | 108-0003-24-A 624 | 38,60 | 43,15 | 34,92 | 5,40 | 37,00 | 108-0001-24-A 624 | 24 |

A 624 = Flat gasket resistant to oronite

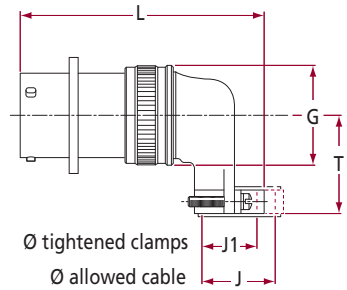
## Large square flange

### • With straight cable clamp



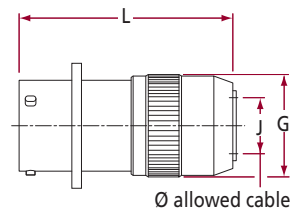

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|
| AFD 58-08-**-P/S-* 059 | 15,65 | 6,80 | 5,15 | 45,85 | AFD 58-08-**-P/S-* A 5347 |
| AFD 58-10-**-P/S-* 059 | 18,60 | 9,30 | 7,25 | 45,85 | AFD 58-10-**-P/S-* A 5347 |
| AFD 58-12-**-P/S-* 059 | 21,75 | 12,75 | 10,55 | 45,85 | AFD 58-12-**-P/S-* A 5347 |
| AFD 58-14-**-P/S-* 059 | 24,95 | 14,65 | 12,05 | 51,85 | AFD 58-14-**-P/S-* A 5347 |
| AFD 58-16-**-P/S-* 059 | 28,20 | 17,80 | 15,85 | 51,85 | AFD 58-16-**-P/S-* A 5347 |
| AFD 58-18-**-P/S-* 059 | 30,90 | 19,80 | 17,90 | 51,85 | AFD 58-18-**-P/S-* A 5347 |
| AFD 58-20-**-P/S-* 059 | 34,15 | 23,00 | 21,05 | 53,35 | AFD 58-20-**-P/S-* A 5347 |
| AFD 58-22-**-P/S-* 059 | 37,25 | 26,15 | 24,25 | 53,35 | AFD 58-22-**-P/S-* A 5347 |
| AFD 58-24-**-P/S-* 059 | 40,45 | 29,10 | 27,45 | 53,35 | AFD 58-24-**-P/S-* A 5347 |

### • With 90° end bell cable clamp



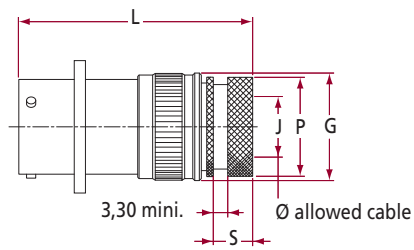

| Nickel Plating Reference | G max. | J mini. | J1 max. | L max. | T max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 58-08-**-P/S-* 081 | 15,65 | 6,80 | 5,15 | 49,30 | 20,70 | AFD 58-08-**-P/S-* A 5543 |
| AFD 58-10-**-P/S-* 081 | 18,60 | 9,30 | 7,25 | 51,65 | 22,00 | AFD 58-10-**-P/S-* A 5543 |
| AFD 58-12-**-P/S-* 081 | 21,75 | 12,75 | 10,55 | 54,10 | 23,80 | AFD 58-12-**-P/S-* A 5543 |
| AFD 58-14-**-P/S-* 081 | 24,95 | 14,65 | 12,05 | 57,35 | 25,30 | AFD 58-14-**-P/S-* A 5543 |
| AFD 58-16-**-P/S-* 081 | 28,20 | 17,80 | 15,85 | 60,75 | 26,80 | AFD 58-16-**-P/S-* A 5543 |
| AFD 58-18-**-P/S-* 081 | 30,90 | 19,80 | 17,90 | 64,20 | 28,30 | AFD 58-18-**-P/S-* A 5543 |
| AFD 58-20-**-P/S-* 081 | 34,15 | 23,00 | 21,05 | 69,05 | 29,90 | AFD 58-20-**-P/S-* A 5543 |
| AFD 58-22-**-P/S-* 081 | 37,25 | 26,15 | 24,25 | 72,15 | 31,60 | AFD 58-22-**-P/S-* A 5543 |
| AFD 58-24-**-P/S-* 081 | 40,45 | 29,10 | 27,45 | 75,25 | 33,20 | AFD 58-24-**-P/S-* A 5543 |

### • With potting cup



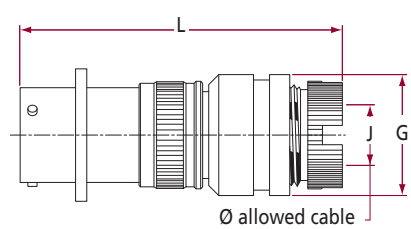

| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 58-08-**-P/S-* 083 | 15,65 | 4,60 | 44,70 | AFD 58-08-**-P/S-* A 5629 |
| AFD 58-10-**-P/S-* 083 | 18,60 | 6,60 | 44,70 | AFD 58-10-**-P/S-* A 5629 |
| AFD 58-12-**-P/S-* 083 | 21,75 | 10,00 | 44,70 | AFD 58-12-**-P/S-* A 5629 |
| AFD 58-14-**-P/S-* 083 | 24,95 | 11,50 | 50,20 | AFD 58-14-**-P/S-* A 5629 |
| AFD 58-16-**-P/S-* 083 | 28,20 | 15,30 | 50,20 | AFD 58-16-**-P/S-* A 5629 |
| AFD 58-18-**-P/S-* 083 | 30,90 | 17,30 | 50,20 | AFD 58-18-**-P/S-* A 5629 |
| AFD 58-20-**-P/S-* 083 | 34,15 | 20,50 | 51,70 | AFD 58-20-**-P/S-* A 5629 |
| AFD 58-22-**-P/S-* 083 | 37,25 | 23,70 | 51,70 | AFD 58-22-**-P/S-* A 5629 |
| AFD 58-24-**-P/S-* 083 | 40,45 | 26,80 | 51,70 | AFD 58-24-**-P/S-* A 5629 |

### • Fitting for thermo-shrink sleeve




| Nickel Plating Reference | G max. | J mini. | L max. | P max. | S max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 58-08-**-P/S-* A 315 | 15,65 | 6,50 | 46,55 | 13,55 | 7,80 | AFD 58-08-**-P/S-* A 5563 |
| AFD 58-10-**-P/S-* A 315 | 18,60 | 9,20 | 46,55 | 15,40 | 7,80 | AFD 58-10-**-P/S-* A 5563 |
| AFD 58-12-**-P/S-* A 315 | 21,75 | 12,65 | 46,55 | 19,70 | 7,80 | AFD 58-12-**-P/S-* A 5563 |
| AFD 58-14-**-P/S-* A 315 | 24,95 | 14,50 | 46,55 | 21,30 | 7,80 | AFD 58-14-**-P/S-* A 5563 |
| AFD 58-16-**-P/S-* A 315 | 28,20 | 17,70 | 46,55 | 24,50 | 7,80 | AFD 58-16-**-P/S-* A 5563 |
| AFD 58-18-**-P/S-* A 315 | 30,90 | 19,70 | 46,55 | 26,50 | 7,80 | AFD 58-18-**-P/S-* A 5563 |
| AFD 58-20-**-P/S-* A 315 | 34,15 | 22,90 | 50,35 | 30,95 | 10,08 | AFD 58-20-**-P/S-* A 5563 |
| AFD 58-22-**-P/S-* A 315 | 37,25 | 26,05 | 51,00 | 34,45 | 10,65 | AFD 58-22-**-P/S-* A 5563 |
| AFD 58-24-**-P/S-* A 315 | 40,45 | 29,00 | 51,00 | 36,65 | 10,65 | AFD 58-24-**-P/S-* A 5563 |

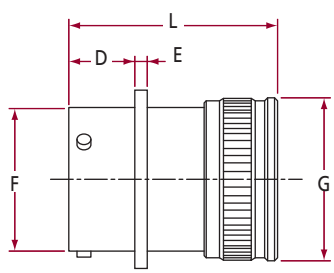
### • With grounding adaptor

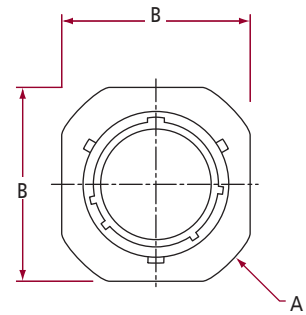



| Nickel Plating Reference | G max. | J mini. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|
| AFD 58-08-**-P/S-* A 564 | 18,00 | 6,80 | 65,90 | AFD 58-08-**-P/S-* A 5534 |
| AFD 58-10-**-P/S-* A 564 | 20,10 | 9,30 | 65,70 | AFD 58-10-**-P/S-* A 5534 |
| AFD 58-12-**-P/S-* A 564 | 24,40 | 12,75 | 65,60 | AFD 58-12-**-P/S-* A 5534 |
| AFD 58-14-**-P/S-* A 564 | 27,50 | 14,65 | 65,80 | AFD 58-14-**-P/S-* A 5534 |
| AFD 58-16-**-P/S-* A 564 | 30,85 | 17,80 | 65,60 | AFD 58-16-**-P/S-* A 5534 |
| AFD 58-18-**-P/S-* A 564 | 33,90 | 19,80 | 64,90 | AFD 58-18-**-P/S-* A 5534 |
| AFD 58-20-**-P/S-* A 564 | 37,10 | 23,00 | 67,25 | AFD 58-20-**-P/S-* A 5534 |
| AFD 58-22-**-P/S-* A 564 | 40,20 | 26,15 | 67,35 | AFD 58-22-**-P/S-* A 5534 |
| AFD 58-24-**-P/S-* A 564 | 43,40 | 29,10 | 68,00 | AFD 58-24-**-P/S-* A 5534 |

Note : L dimension calculated for a braid of 1 m/m thickness

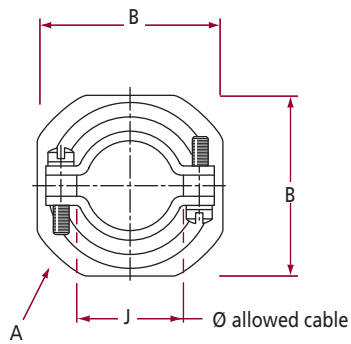
## With backshell

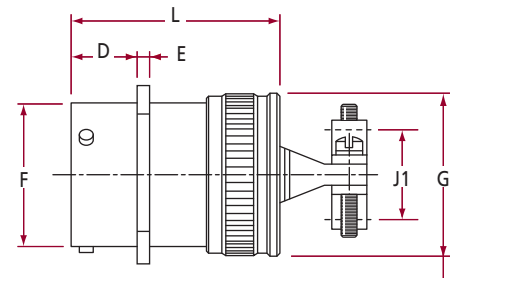



| Nickel Plating Reference | A max. | B max. | D ± 0,15 | E max. | F max. | G max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|---|---|
| AFD 51-08-**-P/S-* | 24,15 | 21,00 | 11,13 | 1,95 | 12,03 | 15,65 | 36,85 | AFD 51-08-**-P/S-* A 231 |
| AFD 51-10-**-P/S-* | 27,30 | 24,20 | 11,13 | 1,95 | 15,01 | 18,60 | 36,85 | AFD 51-10-**-P/S-* A 231 |
| AFD 51-12-**-P/S-* | 29,70 | 26,55 | 11,13 | 1,95 | 19,07 | 21,75 | 36,85 | AFD 51-12-**-P/S-* A 231 |
| AFD 51-14-**-P/S-* | 32,05 | 28,95 | 11,13 | 1,95 | 22,24 | 24,95 | 36,85 | AFD 51-14-**-P/S-* A 231 |
| AFD 51-16-**-P/S-* | 34,45 | 31,30 | 11,13 | 1,95 | 25,42 | 28,20 | 36,85 | AFD 51-16-**-P/S-* A 231 |
| AFD 51-18-**-P/S-* | 36,85 | 33,70 | 11,13 | 1,95 | 28,60 | 30,90 | 36,85 | AFD 51-18-**-P/S-* A 231 |
| AFD 51-20-**-P/S-* | 40,00 | 36,85 | 14,30 | 2,55 | 31,77 | 34,15 | 38,40 | AFD 51-20-**-P/S-* A 231 |
| AFD 51-22-**-P/S-* | 43,20 | 39,95 | 14,30 | 2,55 | 34,94 | 37,25 | 38,40 | AFD 51-22-**-P/S-* A 231 |
| AFD 51-24-**-P/S-* | 46,30 | 43,15 | 15,10 | 2,55 | 38,12 | 40,45 | 38,40 | AFD 51-24-**-P/S-* A 231 |

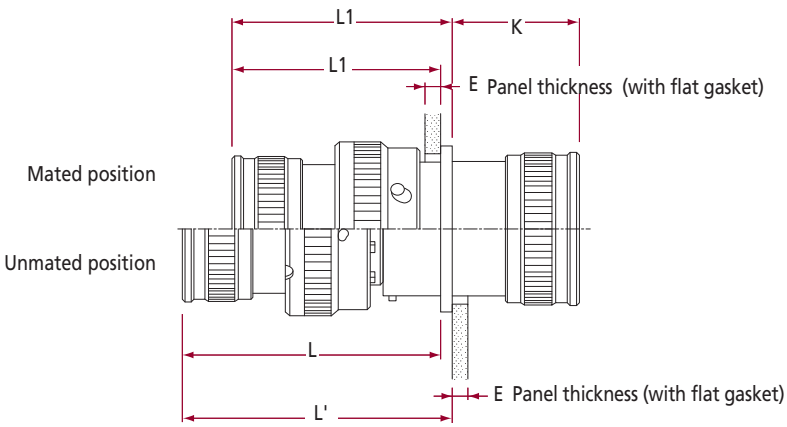
## With straight cable clamp



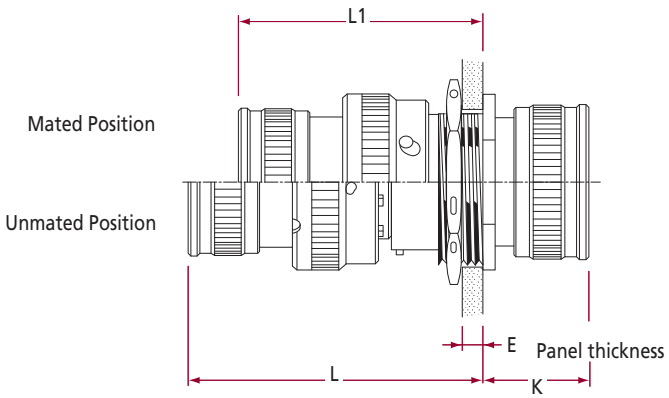

| Nickel Plating Reference | A max. | B max. | D ± 0,15 | E max. | F max. | G max. | J mini. | J1 max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|---|---|---|---|
| AFD 51-08-**-P/S-*- 059 | 24,15 | 21,00 | 11,13 | 1,95 | 12,03 | 15,65 | 6,80 | 5,15 | 45,85 | AFD 51-08-**P/S-*-A 5347 |
| AFD 51-10-**-P/S-*- 059 | 27,30 | 24,20 | 11,13 | 1,95 | 15,01 | 18,60 | 9,30 | 7,25 | 45,85 | AFD 51-10-**P/S-*-A 5347 |
| AFD 51-12-**-P/S-*- 059 | 29,70 | 26,55 | 11,13 | 1,95 | 19,07 | 21,75 | 12,75 | 10,55 | 45,85 | AFD 51-12-**P/S-*-A 5347 |
| AFD 51-14-**-P/S-*- 059 | 32,05 | 28,95 | 11,13 | 1,95 | 22,24 | 24,95 | 14,65 | 12,05 | 51,85 | AFD 51-14-**P/S-*-A 5347 |
| AFD 51-16-**-P/S-*- 059 | 34,45 | 31,30 | 11,13 | 1,95 | 25,42 | 28,20 | 17,80 | 15,85 | 51,85 | AFD 51-16-**P/S-*-A 5347 |
| AFD 51-18-**-P/S-*- 059 | 36,85 | 33,70 | 11,13 | 1,95 | 28,60 | 30,90 | 19,80 | 17,90 | 51,85 | AFD 51-18-**P/S-*-A 5347 |
| AFD 51-20-**-P/S-*- 059 | 40,00 | 36,85 | 14,30 | 2,55 | 31,77 | 34,15 | 23,00 | 21,05 | 53,35 | AFD 51-20-**P/S-*-A 5347 |
| AFD 51-22-**-P/S-*- 059 | 43,20 | 39,95 | 14,30 | 2,55 | 34,94 | 37,25 | 26,15 | 24,25 | 53,35 | AFD 51-22-**P/S-*-A 5347 |
| AFD 51-24-**-P/S-*- 059 | 46,30 | 43,15 | 15,10 | 2,55 | 38,12 | 40,45 | 29,10 | 27,45 | 53,35 | AFD 51-24-**P/S-*-A 5347 |

## AFD 56 / AFD 50



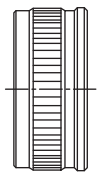

| Size | E max. | K max. | L max. | L' max. | L1 max. | L1' max. |
|---|---|---|---|---|---|---|
| 08 to 18 | 2,50 | 23,85 | 48,10 | 50,10 | 38,70 | 40,70 |
| 20 to 22 | 5,40 | 21,45 | 52,60 | 55,15 | 43,30 | 45,85 |
| 24 | 5,40 | 20,65 | 53,40 | 55,95 | 44,10 | 46,65 |

## AFD 56 / AFD 54



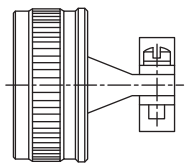

| Size | E max. | K max. | L max. | L1 max. |
|---|---|---|---|---|
| 08 to 18 | 4,30 | 16,30 | 54,75 | 45,45 |
| 20 to 24 | 6,35 | 15,35 | 56,40 | 47,10 |

## Backshell



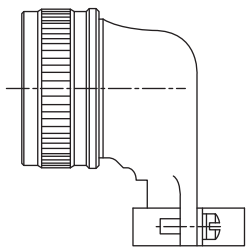
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|---|---|---|
| 08 | 94002-08-3014 | 94002-08-A 231 |
| 10 | 94002-10-3014 | 94002-10-A 231 |
| 12 | 94002-12-3014 | 94002-12-A 231 |
| 14 | 94002-14-3014 | 94002-14-A 231 |
| 16 | 94002-16-3014 | 94002-16-A 231 |
| 18 | 94002-18-3014 | 94002-18-A 231 |
| 20 | 94002-20-3014 | 94002-20-A 231 |
| 22 | 94002-22-3014 | 94002-22-A 231 |
| 24 | 94002-24-3014 | 94002-24-A 231 |

## Straight cable clamp



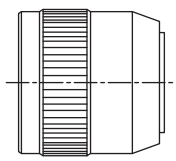
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|---|---|---|
| 08 | 94003-08-3014 | 94003-08-A 231 |
| 10 | 94003-10-3014 | 94003-10-A 231 |
| 12 | 94003-12-3014 | 94003-12-A 231 |
| 14 | 94003-14-3014 | 94003-14-A 231 |
| 16 | 94003-16-3014 | 94003-16-A 231 |
| 18 | 94003-18-3014 | 94003-18-A 231 |
| 20 | 94003-20-3014 | 94003-20-A 231 |
| 22 | 94003-22-3014 | 94003-22-A 231 |
| 24 | 94003-24-3014 | 94003-24-A 231 |

## 90° end bell cable clamp



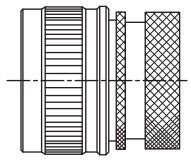
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|---|---|---|
| 08 | 94004-08-3014 | 94004-08-A 231 |
| 10 | 94004-10-3014 | 94004-10-A 231 |
| 12 | 94004-12-3014 | 94004-12-A 231 |
| 14 | 94004-14-3014 | 94004-14-A 231 |
| 16 | 94004-16-3014 | 94004-16-A 231 |
| 18 | 94004-18-3014 | 94004-18-A 231 |
| 20 | 94004-20-3014 | 94004-20-A 231 |
| 22 | 94004-22-3014 | 94004-22-A 231 |
| 24 | 94004-24-3014 | 94004-24-A 231 |

## Potting cup



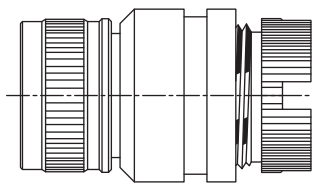
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|---|---|---|
| 08 | 006-0701-08-A 499 | 006-0701-08-A 231 |
| 10 | 006-0701-10-A 499 | 006-0701-10-A 231 |
| 12 | 006-0701-12-A 499 | 006-0701-12-A 231 |
| 14 | 006-0701-14-A 499 | 006-0701-14-A 231 |
| 16 | 006-0701-16-A 499 | 006-0701-16-A 231 |
| 18 | 006-0701-18-A 499 | 006-0701-18-A 231 |
| 20 | 006-0701-20-A 499 | 006-0701-20-A 231 |
| 22 | 006-0701-22-A 499 | 006-0701-22-A 231 |
| 24 | 006-0701-24-A 499 | 006-0701-24-A 231 |

## Thermo-shrink sleeve



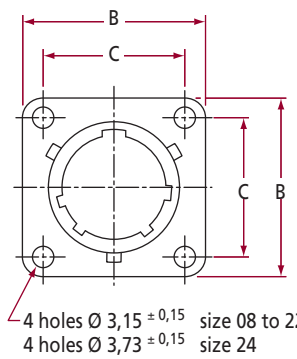
| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|---|---|---|
| 08 | 004-0062-08-A 499 | 004-0062-08-A 231 |
| 10 | 004-0062-10-A 499 | 004-0062-10-A 231 |
| 12 | 004-0062-12-A 499 | 004-0062-12-A 231 |
| 14 | 004-0062-14-A 499 | 004-0062-14-A 231 |
| 16 | 004-0062-16-A 499 | 004-0062-16-A 231 |
| 18 | 004-0062-18-A 499 | 004-0062-18-A 231 |
| 20 | 004-0062-20-A 499 | 004-0062-20-A 231 |
| 22 | 004-0062-22-A 499 | 004-0062-22-A 231 |
| 24 | 004-0062-24-A 499 | 004-0062-24-A 231 |

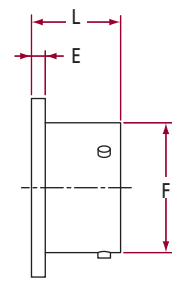
## Grounding adaptor



| Size | Nickel Plating Reference | Olive Drab Cadmium Reference |
|---|---|---|
| 08 | 014-1048-08-A 499 | 014-1048-08-A 231 |
| 10 | 014-1048-10-A 499 | 014-1048-10-A 231 |
| 12 | 014-1048-12-A 499 | 014-1048-12-A 231 |
| 14 | 014-1048-14-A 499 | 014-1048-14-A 231 |
| 16 | 014-1048-16-A 499 | 014-1048-16-A 231 |
| 18 | 014-1048-18-A 499 | 014-1048-18-A 231 |
| 20 | 014-1048-20-A 499 | 014-1048-20-A 231 |
| 22 | 014-1048-22-A 499 | 014-1048-22-A 231 |
| 24 | 014-1048-24-A 499 | 014-1048-24-A 231 |

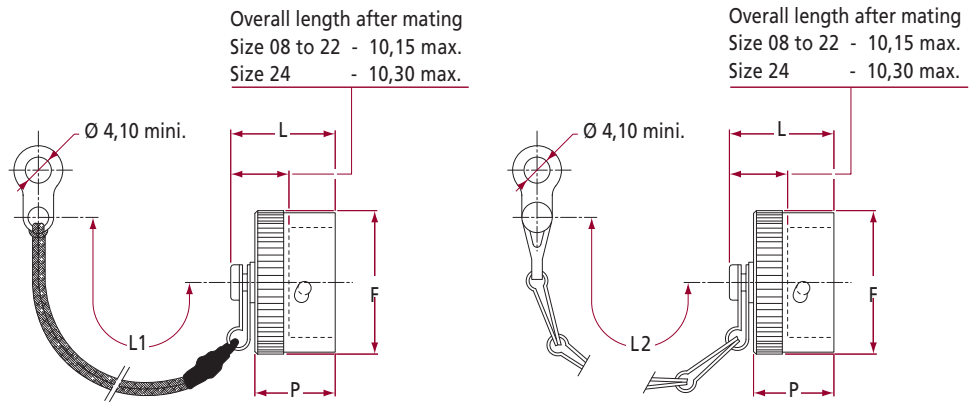
# Dummy receptacle for plugs



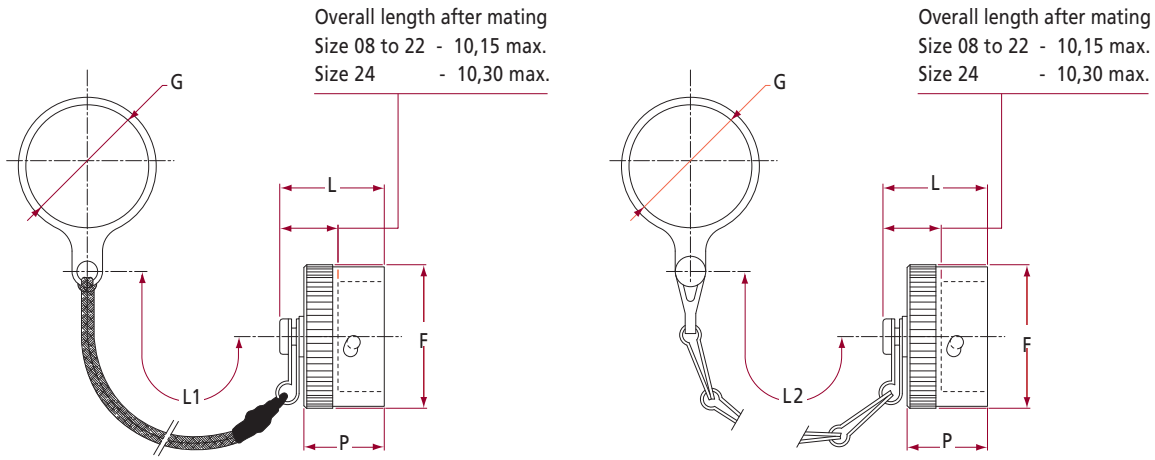

| Nickel Plating Reference | B max. | C ± 0,1 | E max. | F max. | L max. | Olive Drab Cadmium Plating Reference |
|---|---|---|---|---|---|---|
| AFD 50-PR-08 | 21,00 | 15,08 | 1,95 | 12,03 | 14,70 | AFD 50-PR-08-A 231 |
| AFD 50-PR-10 | 24,20 | 18,26 | 1,95 | 15,01 | 14,70 | AFD 50-PR-10-A 231 |
| AFD 50-PR-12 | 26,55 | 20,62 | 1,95 | 19,07 | 14,70 | AFD 50-PR-12-A 231 |
| AFD 50-PR-14 | 28,95 | 23,02 | 1,95 | 22,24 | 14,70 | AFD 50-PR-14-A 231 |
| AFD 50-PR-16 | 31,30 | 24,58 | 1,95 | 25,42 | 14,70 | AFD 50-PR-16-A 231 |
| AFD 50-PR-18 | 33,70 | 26,98 | 1,95 | 28,60 | 14,70 | AFD 50-PR-18-A 231 |
| AFD 50-PR-20 | 36,85 | 29,36 | 2,55 | 31,77 | 17,20 | AFD 50-PR-20-A 231 |
| AFD 50-PR-22 | 39,95 | 31,76 | 2,55 | 34,94 | 17,20 | AFD 50-PR-22-A 231 |
| AFD 50-PR-24 | 43,15 | 34,92 | 2,55 | 38,12 | 17,20 | AFD 50-PR-24-A 231 |

## For receptacle mounting on square flange receptacle



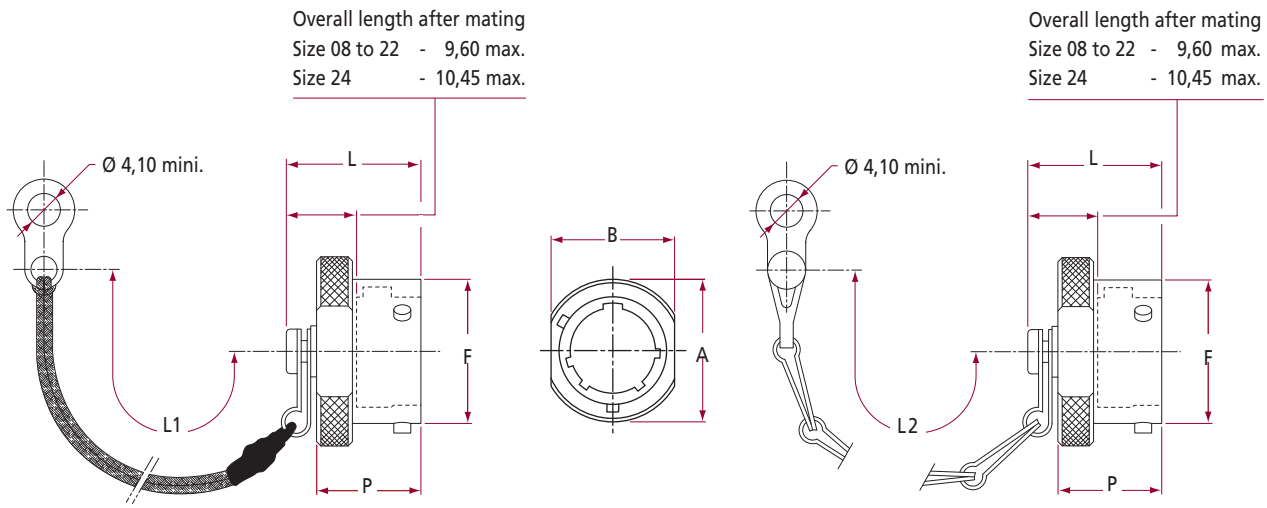

| Nickel Plating Reference | | F | L | L1 | L2 | P | Olive Drab Cadmium Reference | |
|---|---|---|---|---|---|---|---|---|
| Nylon braid | Stainless chain | max. | max. | ± 5 | max. | max. | Nylon braid | Stainless chain |
| AFD B 50-08 | AFD C 50-08 | 16,60 | 17,85 | 130,00 | 79,00 | 14,20 | AFD B 50-08- A 231 | AFD C 50-08-A 231 |
| AFD B 50-10 | AFD C 50-10 | 19,70 | 17,85 | 130,00 | 79,00 | 14,20 | AFD B 50-10- A 231 | AFD C 50-10-A 231 |
| AFD B 50-12 | AFD C 50-12 | 24,60 | 17,85 | 130,00 | 95,00 | 14,20 | AFD B 50-12- A 231 | AFD C 50-12-A 231 |
| AFD B 50-14 | AFD C 50-14 | 27,80 | 17,85 | 130,00 | 95,00 | 14,20 | AFD B 50-14- A 231 | AFD C 50-14-A 231 |
| AFD B 50-16 | AFD C 50-16 | 30,90 | 17,85 | 142,00 | 95,00 | 14,20 | AFD B 50-16- A 231 | AFD C 50-16-A 231 |
| AFD B 50-18 | AFD C 50-18 | 34,10 | 17,85 | 142,00 | 95,00 | 14,20 | AFD B 50-18- A 231 | AFD C 50-18-A 231 |
| AFD B 50-20 | AFD C 50-20 | 37,30 | 17,85 | 142,00 | 111,00 | 14,20 | AFD B 50-20- A 231 | AFD C 50-20-A 231 |
| AFD B 50-22 | AFD C 50-22 | 40,50 | 17,85 | 142,00 | 111,00 | 14,20 | AFD B 50-22- A 231 | AFD C 50-22-A 231 |
| AFD B 50-24 | AFD C 50-24 | 44,10 | 18,85 | 142,00 | 111,00 | 15,20 | AFD B 50-24- A 231 | AFD C 50-24-A 231 |

## For receptacle mounting on single hole mounting



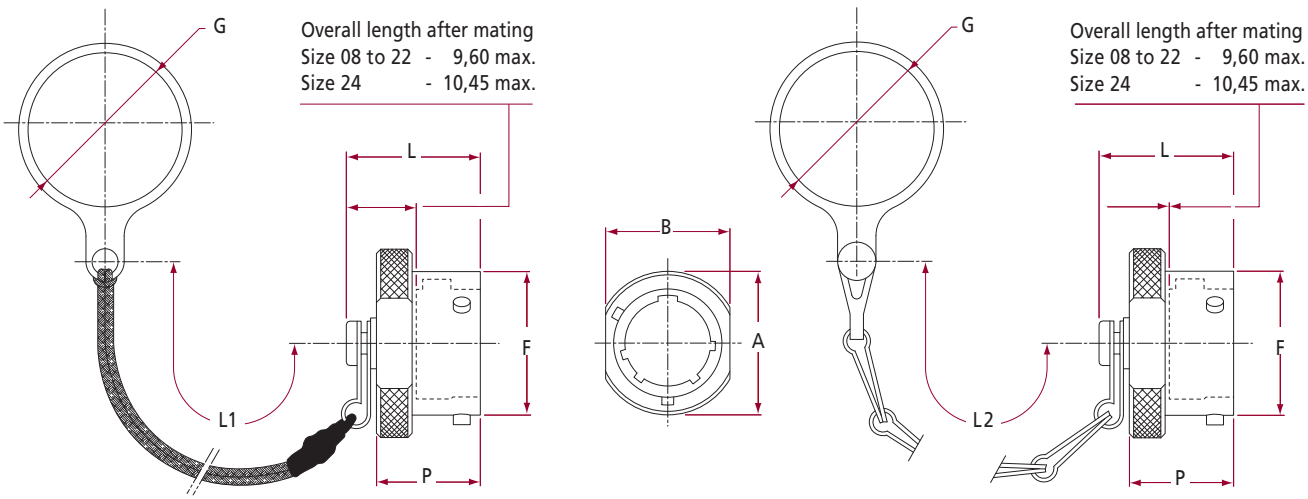

| Nickel Plating Reference | | F | G | L | L1 | L2 | P | Olive Drab Cadmium Reference | |
|---|---|---|---|---|---|---|---|---|---|
| Nylon braid | Stainless chain | max. | mini. | max. | ± 5 | max. | max. | Nylon braid | Stainless chain |
| AFD B 50-54-08 | AFD C 50-54-08 | 16,60 | 14,60 | 17,85 | 130,00 | 79,00 | 14,20 | AFD B 50-54-08- A 231 | AFD C 50-54-08-A 231 |
| AFD B 50-54-10 | AFD C 50-54-10 | 19,70 | 17,70 | 17,85 | 130,00 | 79,00 | 14,20 | AFD B 50-54-10- A 231 | AFD C 50-54-10-A 231 |
| AFD B 50-54-12 | AFD C 50-54-12 | 24,60 | 22,50 | 17,85 | 130,00 | 95,00 | 14,20 | AFD B 50-54-12- A 231 | AFD C 50-54-12-A 231 |
| AFD B 50-54-14 | AFD C 50-54-14 | 27,80 | 25,70 | 17,85 | 130,00 | 95,00 | 14,20 | AFD B 50-54-14- A 231 | AFD C 50-54-14-A 231 |
| AFD B 50-54-16 | AFD C 50-54-16 | 30,90 | 28,90 | 17,85 | 142,00 | 95,00 | 14,20 | AFD B 50-54-16- A 231 | AFD C 50-54-16-A 231 |
| AFD B 50-54-18 | AFD C 50-54-18 | 34,10 | 32,00 | 17,85 | 142,00 | 95,00 | 14,20 | AFD B 50-54-18- A 231 | AFD C 50-54-18-A 231 |
| AFD B 50-54-20 | AFD C 50-54-20 | 37,30 | 35,20 | 17,85 | 142,00 | 111,00 | 14,20 | AFD B 50-54-20- A 231 | AFD C 50-54-20-A 231 |
| AFD B 50-54-22 | AFD C 50-54-22 | 40,50 | 38,40 | 17,85 | 142,00 | 111,00 | 14,20 | AFD B 50-54-22- A 231 | AFD C 50-54-22-A 231 |
| AFD B 50-54-24 | AFD C 50-54-24 | 44,10 | 41,60 | 18,85 | 142,00 | 111,00 | 15,20 | AFD B 50-54-24- A 231 | AFD C 50-54-24-A 231 |

## For plug attached to cable clamp



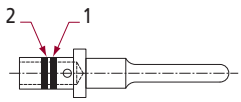

| Nickel Plating Reference | | A | B | F | L | L1 | L2 | P | Olive Drab Cadmium Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Nylon braid | Stainless chain | max. | max. | max. | max. | ± 5 | max. | max. | Nylon braid | Stainless chain |
| AFD B 56-08 | AFD C 56-08 | 18,30 | 16,10 | 12,03 | 18,65 | 130,00 | 95,00 | 14,40 | AFD B 56-08-A 231 | AFD C 56-08-A 231 |
| AFD B 56-10 | AFD C 56-10 | 21,50 | 18,10 | 15,01 | 18,65 | 130,00 | 95,00 | 14,40 | AFD B 56-10-A 231 | AFD C 56-10-A 231 |
| AFD B 56-12 | AFD C 56-12 | 25,40 | 22,10 | 19,07 | 18,65 | 130,00 | 111,00 | 14,40 | AFD B 56-12-A 231 | AFD C 56-12-A 231 |
| AFD B 56-14 | AFD C 56-14 | 28,60 | 24,10 | 22,24 | 18,65 | 130,00 | 111,00 | 14,40 | AFD B 56-14-A 231 | AFD C 56-14-A 231 |
| AFD B 56-16 | AFD C 56-16 | 31,80 | 27,10 | 25,42 | 18,65 | 142,00 | 111,00 | 14,40 | AFD B 56-16-A 231 | AFD C 56-16-A 231 |
| AFD B 56-18 | AFD C 56-18 | 34,90 | 30,10 | 28,60 | 18,65 | 142,00 | 111,00 | 14,40 | AFD B 56-18-A 231 | AFD C 56-18-A 231 |
| AFD B 56-20 | AFD C 56-20 | 38,10 | 33,10 | 31,77 | 20,25 | 142,00 | 127,00 | 16,00 | AFD B 56-20-A 231 | AFD C 56-20-A 231 |
| AFD B 56-22 | AFD C 56-22 | 41,30 | 36,10 | 34,94 | 20,25 | 142,00 | 127,00 | 16,00 | AFD B 56-22-A 231 | AFD C 56-22-A 231 |
| AFD B 56-24 | AFD C 56-24 | 44,50 | 41,10 | 38,12 | 21,10 | 142,00 | 127,00 | 16,80 | AFD B 56-24-A 231 | AFD C 56-24-A 231 |

## For plug attached for plug

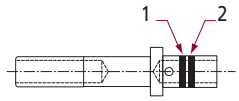



| Nickel Plating Reference | | A | B | F | G | L | L1 | L2 | P | Olive Drab Cadmium Reference | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Nylon braid | Stainless chain | max. | max. | max. | mini. | max. | ± 5 | max. | max. | Nylon braid | Stainless chain |
| AFD B 56-56-08 | AFD C 56-56-08 | 18,30 | 16,10 | 12,03 | 12,45 | 18,65 | 130,00 | 79,00 | 14,40 | AFD B 56-56-08-A 231 | AFD C 56-56-08-A 231 |
| AFD B 56-56-10 | AFD C 56-56-10 | 21,50 | 18,10 | 15,01 | 15,70 | 18,65 | 130,00 | 79,00 | 14,40 | AFD B 56-56-10-A 231 | AFD C 56-56-10-A 231 |
| AFD B 56-56-12 | AFD C 56-56-12 | 25,40 | 22,10 | 19,07 | 18,85 | 18,65 | 130,00 | 95,00 | 14,40 | AFD B 56-56-12-A 231 | AFD C 56-56-12-A 231 |
| AFD B 56-56-14 | AFD C 56-56-14 | 28,60 | 24,10 | 22,24 | 22,10 | 18,65 | 130,00 | 95,00 | 14,40 | AFD B 56-56-14-A 231 | AFD C 56-56-14-A 231 |
| AFD B 56-56-16 | AFD C 56-56-16 | 31,80 | 27,10 | 25,42 | 25,50 | 18,65 | 142,00 | 95,00 | 14,40 | AFD B 56-56-16-A 231 | AFD C 56-56-16-A 231 |
| AFD B 56-56-18 | AFD C 56-56-18 | 34,90 | 30,10 | 28,60 | 27,35 | 18,65 | 142,00 | 95,00 | 14,40 | AFD B 56-56-18-A 231 | AFD C 56-56-18-A 231 |
| AFD B 56-56-20 | AFD C 56-56-20 | 38,10 | 33,10 | 31,77 | 30,40 | 20,25 | 142,00 | 111,00 | 16,00 | AFD B 56-56-20-A 231 | AFD C 56-56-20-A 231 |
| AFD B 56-56-22 | AFD C 56-56-22 | 41,30 | 36,10 | 34,94 | 33,30 | 20,25 | 142,00 | 111,00 | 16,00 | AFD B 56-56-22-A 231 | AFD C 56-56-22-A 231 |
| AFD B 56-56-24 | AFD C 56-56-24 | 44,50 | 41,10 | 38,12 | 36,80 | 21,10 | 142,00 | 111,00 | 16,80 | AFD B 56-56-24-A 231 | AFD C 56-56-24-A 231 |

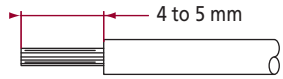
*Male contact*




*Female contact*



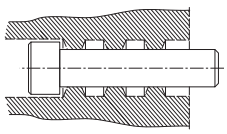

*Wire strip length*

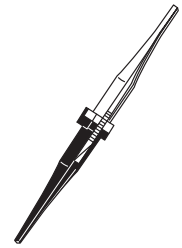


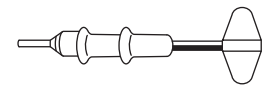

| CONTACTS | | | | | | | | CABLES | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Commercial reference Codified | Former code | Type | AWG size | Index | Remarks | Color code 1 | 2 | Section in mm² | AWG wire | Ø over sheath |
| 006-0937-20 A<br>006-0912-20 A | 0641-10-2059 C<br>0603-34-2059 C | P<br>S | 20 | - | - | red | red | 0,22 to 0,60 | 20 to 24 | 1,01 to 2,10 |
| **006-0972-20 A**<br>**006-0973-20 A** | 0641-24-2059 C<br>0603-21-2059 C | P<br>S | 20 | - | reduced bucket contact | red | black | 0,055 to 0,15 | 26 to 30 | 1,01 to 2,10 |
| **006-0044-20 A**<br>**006-0055-20 A** | DF 06-044-20 C<br>DF 06-A 055-20 C | P<br>S | 20 | - | enlarged bucket contact | red | purple | 0,38 to 0,93 | 18 to 22 | 1,01 to 2,10 |
| **006-0982-20**<br>**006-0985-20** | 0641-14-2000<br>0603-16-2000 | P<br>S | 20 | - | chromel contact | mark Ch | | 0,22 to 0,60 | 20 to 24 | 1,01 to 2,10 |
| **025-0404-20**<br>**025-0405-20** | | P<br>S | 20 | - | chromel contact | mark Ch | | 0,38 to 0,93 | 18 to 22 | 1,01 to 2,10 |
| **006-0983-20**<br>**006-0984-20** | 0641-15-2000<br>0603-15-2000 | P<br>S | 20 | - | alumel contact | mark Al | | 0,38 to 0,93 | 18 to 22 | 1,01 to 2,10 |
| **025-0402-20**<br>**025-0403-20** | | P<br>S | 20 | - | alumel contact | mark Al | | 0,38 to 0,93 | 18 to 22 | 1,01 to 2,10 |
| **006-1060-20**<br>**006-1062-20** | | P<br>S | 20 | - | constantan contact | - | - | 0,22 to 0,60 | 20 to 24 | 1,01 to 2,10 |
| **025-0406-20**<br>**025-0407-20** | | P<br>S | 20 | - | constantan contact | - | - | 0,38 to 0,93 | 18 to 22 | 1,01 to 2,10 |
| 006-0937-16 A<br>006-0912-16 A | 0641-12-1659 C<br>0603-33-1659 C | P<br>S | 16 | - | - | blue | blue | 0,60 to 1,34 | 16 to 20 | 1,35 to 2,62 |
| **006-1102-16 A**<br>**006-1104-16 A** | | P<br>S | 16 | - | enlarged bucket contact | blue | orange | 1,91 | 14 | 1,35 to 2,62 |
| **025-0870-16 A**<br>**025-0871-16 A** | | P<br>S | 16 | - | reduced bucket contact | blue | black | 0,055 to 0,15 | 26 to 30 | 1,35 to 2,62 |
| **006-1168-16**<br>**006-1169-16** | 109 026-16<br>109 027-16 | P<br>S | 16 | - | reduced bucket contact | blue | red | 0,22 to 0,60 | 20 to 24 | 1,01 to 2,10 |
| 006-0937-12 A<br>006-0912-12 A | 0641-32-1259 C<br>0603-32-1259 C | P<br>S | 12 | - | - | yellow | yellow | 1,91 to 3,18 | 12 to 14 | 2,51 to 4,01 |
| **006-1157-12 A**<br>**006-1159-12 A** | 109 028 A<br>109 029 A | P<br>S | 12 | - | reduced bucket contact | yellow | blue | 0,60 to 1,34 | 16 to 20 | 1,34 to 2,61 |
| **005-0893-08**<br>**005-0896-08** | 101 -333-59<br>101 -334-59 | P<br>S | 8 | 8 | - | - | - | 5,30 to 8,98 | 8 to 10 | 3,80 to 5,15 |
| **005-0257-08**<br>**005-0258-08** | DF 05-257-08<br>DF 05-258-08 | P<br>S | 8 | 87 | reduced bucket contact | - | - | 5,30 | 10 | 3,80 to 5,15 |
| **006-0041-08**<br>**006-0040-08** | DF 06-A 041-08<br>DF 06-A 040-08 | P<br>S | 8 | 88 | - | - | - | 8,98 | 8 | 3,80 to 5,15 |

Note : Standard contacts supplied with connector
**Reference to be order**

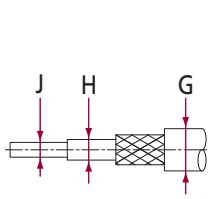
*Connector rear face*

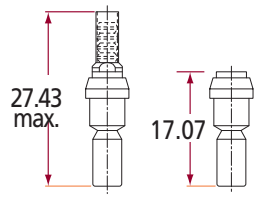


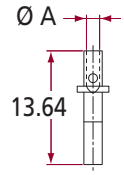


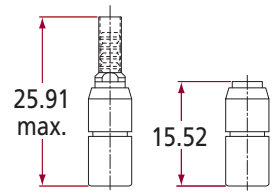


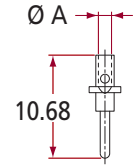
| TOOLS | | | | | | |
|---|---|---|---|---|---|---|
| Sealing plug | | Crimping tool | | Insertion and extraction tool | Extraction tool non wired contacts | |
| Reference | Color | Reference | Turret | Wired contacts | Reference | Alternate end |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 4113-4-2001 | red | 057-0461-00 | 057-0462-00 | M 15570-20 | M 15571 | 105910 |
| 0613-1-1601 | blue | 057-0461-00 | 057-0462-00 | M 15570-16 | M 15571 | 105911 |
| 0613-1-1601 | blue | 057-0461-00 | 057-0462-00 | M 15570-16 | M 15571 | 105911 |
| 0613-1-1601 | blue | 057-0461-00 | 057-0462-00 | M 15570-16 | M 15571 | 105911 |
| 0613-1-1601 | blue | 057-0461-00 | 057-0462-00 | M 15570-16 | M 15571 | 105911 |
| 0613-1-1201 | yellow | 057-0461-00 | 057-0462-00 | M 15570-12 | M 15571 | 105912 |
| 0613-1-1201 | yellow | 057-0461-00 | 057-0462-00 | M 15570-12 | M 15571 | 105912 |
| 0613-4-0000 | green | 057-0461-00 | 057-0462-00 | M 15570-25 (insertion)<br>M 15515-109 (extraction) | - | - |
| 0613-4-0000 | green | 057-0461-00 | 057-0462-00 | M 15570-25 (insertion)<br>M 15515-109 (extraction) | - | - |
| 0613-4-0000 | green | 057-0461-00 | 057-0462-00 | M 15570-25 (insertion)<br>M 15515-109 (extraction) | - | - |



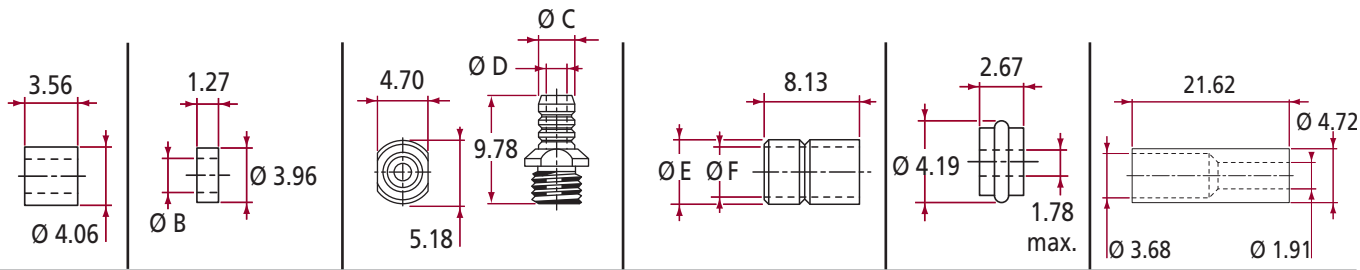




| | | | | | CONTACTS | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Wires used | | | | Coax contact | Male contacts | | | | Female contacts | | | |
| Reference | G max. | H max. | J max. | Index | Complete contact reference | Sub-assembly reference | Inner contact reference | Ø A mm | Complete contact reference | Sub-assembly reference | Inner contact reference | Ø A mm |
| RG 161/U<br>RG 174/U<br>RG 178/U<br>RG 178 A/U<br>RG 179/U<br>RG 187/U<br>RG 188/U<br>RG 196/U | 2,95 | 1,52 | 0,76 | Standard | 106467 | 106469 | 106472 | 0,81 | 106468 | 106470 | 106471 | 0,81 |
| RG 180/U<br>RG 195/U | 3,94 | 2,62 | 0,76 | 1 | **0603-37-0000** | 106469 | 106472 | 0,81 | **0603-38-0000** | 106470 | 106471 | 0,81 |
| Special | 2,95 | 1,52 | 0,97 | 9 | **0603-39-0000** | 106469 | 0107-028-000 | 0,99 | **0603-40-0000** | 106470 | 4141-7-2600 | 0,99 |
| 50 PPDT | 3,90 | 2 | 0,70 | F1 | **DF 05-A065-00-0059** | 106469 | 106472 | 0,81 | **DF 05-A066-00-0059** | 106470 | 106471 | 0,81 |

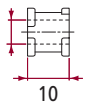
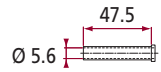
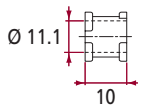
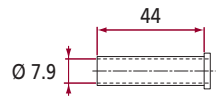
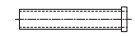
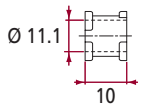
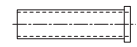
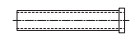
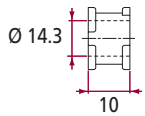
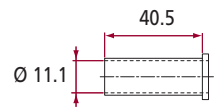
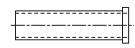
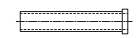
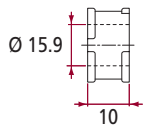
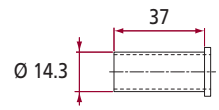
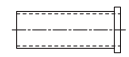
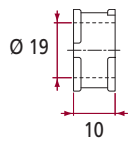
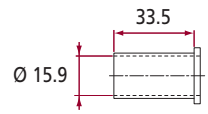
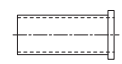
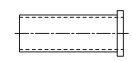
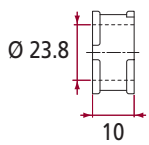
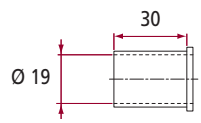
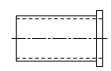
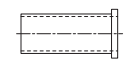
*Note :* Standard contacts supplied with connector
**For wiring of coax contacts imperatively use the Directions for Wiring n° NC 025 011***

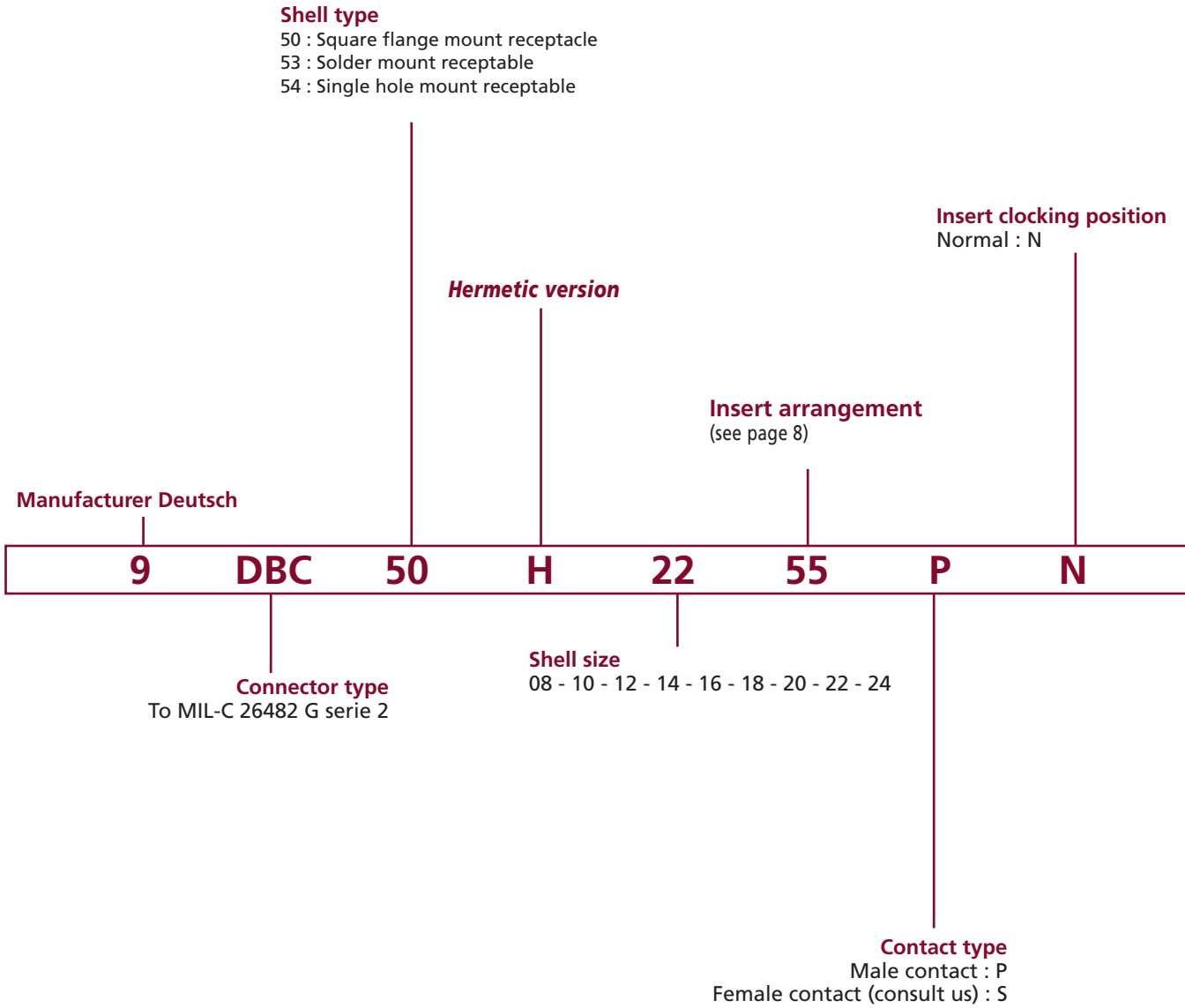



| COMMON PARTS | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Grommet reference | Insert reference | Ø B ± 0,05 | Supporting sleeve reference | Ø C ± 0,05 | Ø D ± 0,02 | Crimping sleeve reference | Ø E | Ø F | Sealing sleeve reference | Sealing sleeve reference |
| 105172 | 0614-1-0000 | 1,78 | 105551 | 2,36 | 1,67 | 5121-3-2601 | 3,91 | 3,04 | - | 100368 |
| 105172 | 0614-1-0001 | 2,74 | 105552 | 3,51 | 2,74 | 5121-3-2606 | 5,13 | 4,11 | - | - |
| 105172 | 0614-1-0000 | 1,78 | 105551 | 2,36 | 1,67 | 5121-3-2601 | 3,91 | 3,04 | - | 100368 |
| 105172 | 0614-1-0001 | 2,74 | DF 05-063-000 | 3,51 | 2,12 | 0108-002-001 | 5,10 | 4 | 207/8 | - |

| TOOLS FOR COAX | | | | | |
|---|---|---|---|---|---|
| Coax index | External contact crimping tool | Positioner | Sleeve crimping tool | Insertion tool | Extraction tool |
| Standard | 057-0463-00 | 057-0464-00 | 20053 | M 15570-25 | M 15570-25 |
| 1 | 057-0463-00 | 057-0464-00 | 20052 | M 15570-25 | M 15570-25 |
| 9 | 057-0463-00 | 057-0464-00 | 20053 | M 15570-25 | M 15570-25 |
| F 1 | 057-0463-00 | 057-0464-00 | 20055 | M 15570-25 | M 15570-25 |

## For cable clamp

| Size shell | Main bushing | Middle bushing | | |
|---|---|---|---|---|
| **08** | 006-0005-08 | | | |
| **10** | 006-0005-10 | | | |
| **12** |  006-0005-12 |  006-0006-12 | | |
| **14** |  006-0005-14 |  006-0006-14 |  006-0006-12 | |
| **16** |  006-0005-16 |  006-0006-14 |  006-0006-12 | |
| **18** |  006-0005-18 |  006-0006-18 |  006-0006-14 |  006-0006-12 |
| **20** |  006-0005-20 |  006-0006-20 |  006-0006-18 | 006-0006-14 |
| **22** |  006-0005-22 |  006-0006-22 |  006-0006-20 |  006-0006-18 |
| **24** |  006-0005-24 |  006-0006-24 |  006-0006-22 |  006-0006-20 |


Shell type
50 : Square flange mount receptacle
53 : Solder mount receptable
54 : Single hole mount receptable
Insert clocking position
Normal : N
Hermetic version
Insert arrangement
(see page 8)
Manufacturer Deutsch
9 DBC 50 H 22 55 P N
Connector type
To MIL-C 26482 G serie 2
Shell size
08 - 10 - 12 - 14 - 16 - 18 - 20 - 22 - 24
Contact type
Male contact : P
Female contact (consult us) : S

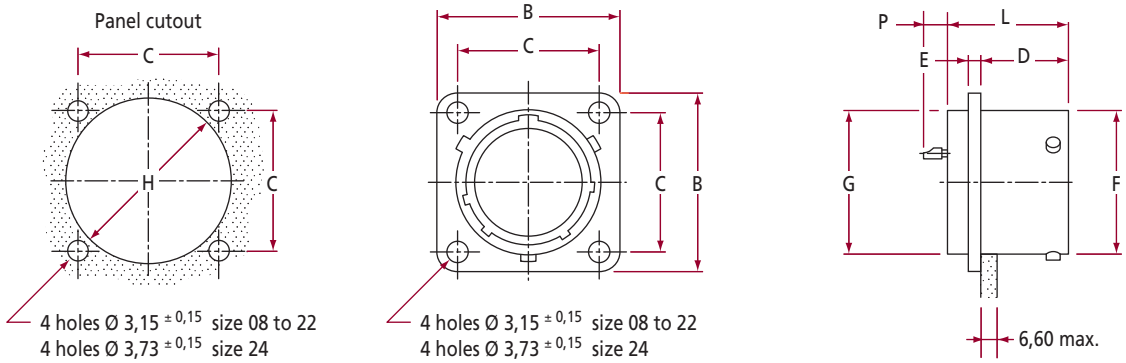
## Mechanical

| | | |
|---|---|---|
| Materials | Shell | : Steel |
| | Plating | : Tin over nickel plating |
| Insert | | : Compression glass ; silicone gasket |
| Insert retention in shell | | : The glass can withstand 70 bars of presure differential without loss of mechanical on electrical characteristics |
| Contacts | Type | : Solder type |
| | Finish | : Gold as per MIL-G 45204 |
| Durability | | : 500 full coupling and uncoupling cycles |
| Temperature | | : – 55° C to + 200° C |
| Air leakage | | : Leakage inferior to ≤ 1 x $10^{-7}$ $cm^3$ / hour under a 1 bar differential pressure |
| Physical Shocks | | : 50 G in the 3 axes |

## Electrical

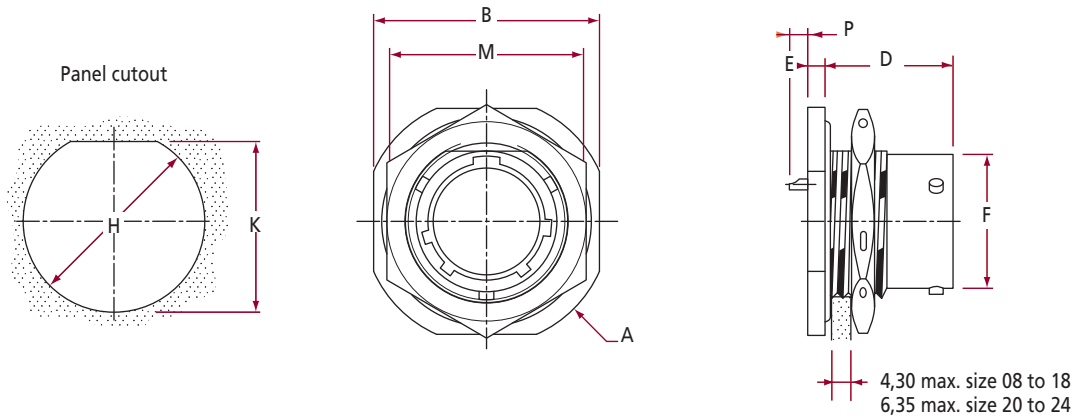
| | | |
|---|---|---|
| Withstanding voltage | at sea level | : Service 1 : 1500 V 50 Hz (R.M.S)<br>Service 2 : 2300 V 50 Hz (R.M.S) |
| | in altitude at 15000 m | : Service 1 : 500 V<br>Service 2 : 750 V |
| | in altitude at 21000 m | : Service 1 : 375 V<br>Service 2 : 500 V |
| | in altitude at 33000 m | : Service 1 : 200 V<br>Service 2 : 200 V |
| Insulation resistance | | : Higher than 5000 MΩ at 20° C at 65 % R.H |
| Contacts maximum current | | : Size 20 : 5 A.<br>Size 16 : 10 A.<br>Size 12 : 17 A. |
| Contact millivolt drop | | : Size 20 : 75 mv at 5 A.<br>Size 16 : 100 mv at 10 A.<br>Size 12 : 100 mv at 17 A. |

## Square flange receptacle




| Reference | B | C | D | E | F | G | L | P max. Sizes | | H |
|---|---|---|---|---|---|---|---|---|---|---|
| | max. | ± 0,1 | ± 0,15 | max. | max. | max. | max. | 20 | 16-12 | +0 - 0,2 |
| DBC 50H-08-**-P-* | 21,00 | 15,08 | 14,95 | 1,60 | 12,03 | 14,30 | 20,35 | 4,55 | 6,30 | 14,70 |
| DBC 50H-10-**-P-* | 24,20 | 18,26 | 14,95 | 1,60 | 15,01 | 17,10 | 20,35 | 4,55 | 6,30 | 17,50 |
| DBC 50H-12-**-P-* | 26,55 | 20,62 | 14,95 | 1,60 | 19,07 | 19,90 | 20,35 | 4,55 | 6,30 | 20,30 |
| DBC 50H-14-**-P-* | 28,95 | 23,02 | 14,95 | 1,60 | 22,24 | 23,05 | 20,35 | 4,55 | 6,30 | 23,45 |
| DBC 50H-16-**-P-* | 31,30 | 24,58 | 14,95 | 1,60 | 25,42 | 26,25 | 20,35 | 4,55 | 6,30 | 26,65 |
| DBC 50H-18-**-P-* | 33,70 | 26,98 | 14,95 | 1,60 | 28,60 | 29,40 | 20,35 | 4,55 | 6,30 | 29,80 |
| DBC 50H-20-**-P-* | 36,85 | 29,36 | 16,55 | 2,40 | 31,77 | 31,80 | 21,95 | 4,55 | 6,30 | 32,20 |
| DBC 50H-22-**-P-* | 39,95 | 31,76 | 16,55 | 2,40 | 34,94 | 34,95 | 22,75 | 3,70 | 5,50 | 35,35 |
| DBC 50H-24-**-P-* | 43,15 | 34,92 | 16,55 | 2,40 | 38,12 | 38,15 | 22,75 | 3,70 | 5,50 | 38,55 |

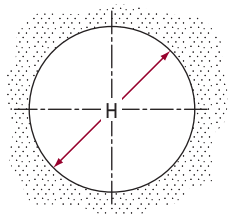
## Single hole receptacle

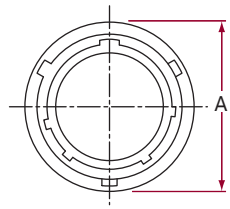


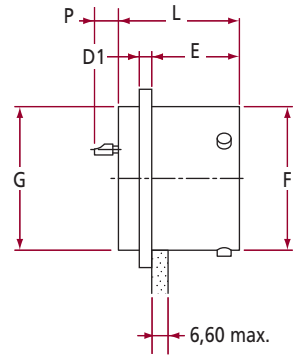

| Reference | A | B | D | E | F | H | K | M | P max. Sizes | |
|---|---|---|---|---|---|---|---|---|---|---|
| | max. | max. | ± 0,15 | max. | max. | +0 - 0,2 | +0 - 0,2 | max. | 20 | 16-12 |
| DBC 54H-08-**-P-* | 27,35 | 24,20 | 17,78 | 2,85 | 12,03 | 14,65 | 13,85 | 19,20 | 3,40 | 5,20 |
| DBC 54H-10-**-P-* | 30,55 | 27,35 | 17,78 | 2,85 | 15,01 | 17,80 | 17,05 | 22,37 | 3,40 | 5,20 |
| DBC 54H-12-**-P-* | 35,30 | 32,15 | 17,78 | 2,85 | 19,07 | 22,55 | 21,15 | 27,12 | 3,40 | 5,20 |
| DBC 54H-14-**-P-* | 38,50 | 35,30 | 17,78 | 2,85 | 22,24 | 25,70 | 24,30 | 30,30 | 3,40 | 5,20 |
| DBC 54H-16-**-P-* | 41,65 | 38,50 | 17,78 | 2,85 | 25,42 | 28,90 | 27,45 | 33,47 | 3,40 | 5,20 |
| DBC 54H-18-**-P-* | 44,80 | 41,65 | 17,78 | 2,85 | 28,60 | 32,05 | 30,65 | 36,67 | 3,40 | 5,20 |
| DBC 54H-20-**-P-* | 49,60 | 46,40 | 19,43 | 3,70 | 31,77 | 35,25 | 33,80 | 39,82 | 2,55 | 2,55 |
| DBC 54H-22-**-P-* | 52,75 | 49,60 | 19,43 | 3,70 | 34,94 | 38,40 | 37,00 | 43,02 | 2,55 | 2,55 |
| DBC 54H-24-**-P-* | 55,95 | 52,75 | 20,17 | 3,70 | 38,12 | 41,60 | 40,15 | 46,17 | 2,55 | 2,55 |

## Solder receptacle

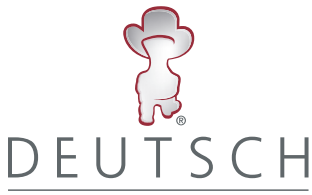
Panel cutout




| Reference | A | D1 | E | F | G | H | L | P max. Sizes | |
|---|---|---|---|---|---|---|---|---|---|
| | max. | max. | max. | max. | max. | max. | +0 - 0,2 | 20 | 16-12 |
| DBC 53H-08-**-P-* | 16,15 | 4,00 | 0,90 | 12,03 | 14,30 | 14,70 | 20,35 | 4,55 | 6,30 |
| DBC 53H-10-**-P-* | 19,30 | 4,00 | 0,90 | 15,01 | 17,50 | 17,10 | 20,35 | 4,55 | 6,30 |
| DBC 53H-12-**-P-* | 21,70 | 4,00 | 0,90 | 19,07 | 19,90 | 20,30 | 20,35 | 4,55 | 6,30 |
| DBC 53H-14-**-P-* | 24,90 | 4,00 | 0,90 | 22,24 | 23,45 | 23,05 | 20,35 | 4,55 | 6,30 |
| DBC 53H-16-**-P-* | 28,05 | 4,00 | 0,90 | 25,42 | 26,25 | 26,65 | 20,35 | 4,55 | 6,30 |
| DBC 53H-18-**-P-* | 31,20 | 4,00 | 0,90 | 28,60 | 29,40 | 29,80 | 20,35 | 4,55 | 6,30 |
| DBC 53H-20-**-P-* | 33,60 | 4,00 | 0,90 | 31,77 | 31,80 | 32,20 | 21,95 | 4,55 | 6,30 |
| DBC 53H-22-**-P-* | 36,80 | 4,80 | 0,90 | 34,94 | 34,95 | 35,35 | 22,75 | 3,70 | 5,50 |
| DBC 53H-24-**-P-* | 40,00 | 4,80 | 0,90 | 38,12 | 38,15 | 38,55 | 22,75 | 3,70 | 5,50 |

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