

MPO Field Fiber Optic Solution



Transform your MPO patchcord into an environmental connector

MPO Field offers an easy system to upgrade from a standard to an environmental MPO with no cabling operation for installation in field.

Main Features

- Uses standard MPO Patchcord
- MPO inside a MIL-DTL 38999 Series III size 13 shell
- Sealed against fluids and dust (IP68)
- Shock, vibration proof
- No cabling operation in field



Characteristics

- Number of channels : 12 or 24 depends on MPO
- Typical insertion loss : 0,5dB Multimode or Singlemode
- Durability : 500 mating/unmating cycles

Markets & Applications



C4ISR

Threat detection system
Soldier wearable equipment
Rugged computer & digital radio
Satellite reception unit
Radars



Navy

Navigation
Embedded Network
Data Centers



Military Aerospace & Airframe

Radars
Display unit
Flight control system

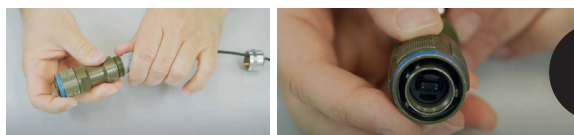


Military vehicles

Vetronics
Optronics
Communication Systems

MPO Field Assembly

Assembling your MPO FIELD



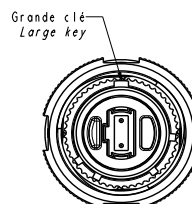
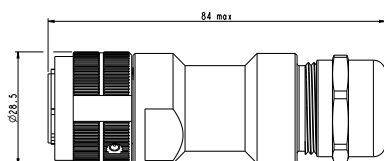
See our new video
«MPO Field» :



MPO Field Straight Plug

Plug with metallic backshell and metallic gland

MIL-DTL 38999 Series III Size 13

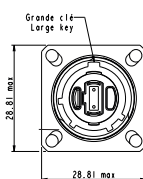
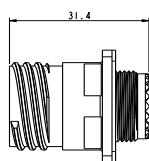


3D files available on request

MPO Field Receptacles

Square flange receptacle

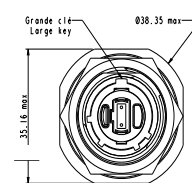
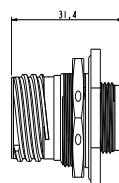
MIL-DTL 38999 Series III Size 13



3D files available on request

Jam nut receptacle

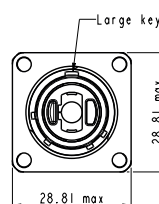
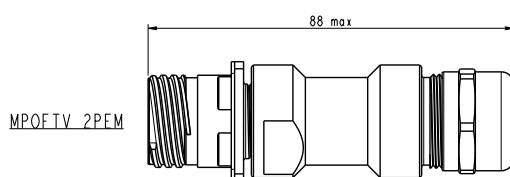
MIL-DTL 38999 Series III Size 13



3D files available on request

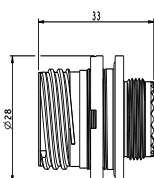
Square flange receptacle with metallic backshell and metallic gland

MIL-DTL 38999 Series III Size 13

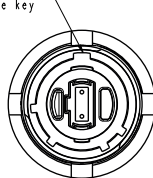


Reduced flange Jam nut receptacle

MIL-DTL 38999 Series III Size 13



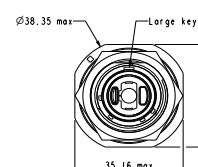
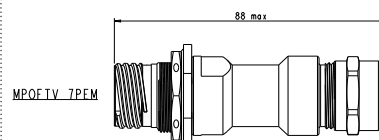
Grande clé
Large key



3D files available on request

Jam nut receptacle with metallic backshell and metallic gland

MIL-DTL 38999 Series III Size 13



MPO Field Panel drilling

Square flange receptacle rear panel mounting	Square flange receptacle front panel mounting	Jam nut receptacle rear panel mounting	Reduced flange Jam nut receptacle rear panel mounting

MPO Field Protective Caps

Standard Metal Protective Caps

For plug	For square flange receptacle	For jam nut receptacle
BFNTV*13 30mm Max	BECNTV*13 23mm Max	BERNTV*13 23mm Max

* A thread 0.1P-0.3L-TS, Class 2A (External), Class 2B (Internal)

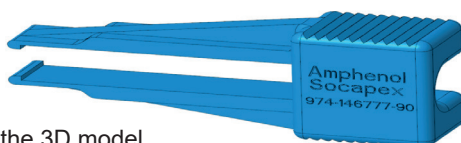
Protective Rubber Caps

For plugs	For square flange receptacle	For jam nut receptacle
RC06NTV*13 25.2 Max	RC00NTV*13 20.8 Max	RC07NTV*13 20.8 Max

Accessories

MPO Field Extraction Tool

974-146777-90



Buy it or print it yourself : contact us to get the 3D model

See how to use it in the video :



MPO Field - How to order

MPO Field Connectors

1.	2.	3.	4.	5.	6.
Series	Shell type	Cable type	Shell protection	Shell coding	Deviation
MPOFTV	6M	A	N	N	

1. Series

MPOFTV	MPO Field TV Series
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2. Shell type

6M	Plug with metallic backshell and metallic gland
2	Square flange receptacle
2PEM	Square flange receptacle with metallic backshell and metallic gland
7	Jam Nut receptacle
7PEM	Jam Nut receptacle with metallic backshell and metallic gland

3. Cable type

Only for plug

A	Round cable from Ø 2 to 2,99mm
B	Round cable from Ø 3 to 3,99mm
C	Round cable from Ø 4 to 5,99mm
D	Round cable from Ø 6 to 7,99mm

Only for receptacle (no backshell available for MPO FIELD)

0	Receptacle without backshell
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4. Shell protection

N	Electroless Nickel ✓
G	Olive drab cadmium
B	Marine Bronze ✓
ZN	Black zinc nickel ✓

5. Shell coding

N	Standard coding N
A	Coding A
B	Coding B
C	Coding C
D	Coding D
E	Coding E

6. Deviation (metal shells and jam nut receptacle only - TV Series)

Deviation	Description
F311	Reduced flange jam nut receptacle with a safety castle nut
F312	Reduced flange jam nut receptacle with a standard castle nut

Standard Metal Protective Caps

1.	2.	3.	4.	5.	6.
Cap type	Cap style	Wire type	Series	Material and platings	Cap size
B	EC	N	TV	W	13

1. Cap style

EC	For square flange receptacle
ER	For jam nut receptacle
F	For plugs

2. Wire type

N	Nylon cord
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3. Series

TV	For MIL-DTL-38999 Serie III (TV-CTV), RNJLP, SC39, Powersafe
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4. Materials and platings

Shell material	Shell finish
W	Olive drab cadmium
F	Aluminum
ZN	Nickel ✓
B	Black zinc nickel ✓
	-

5. Cap size

13

6. Deviation (TV Series only)

F057	For Reduced flange jam nut receptacle (TV Series, RJFTV, USBFTV)
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Protective Rubber Caps

1.	2.	3.	4.
Cap type	Cap style	Wire type	Series
RC	00	N	TV

1. Cap style

00	For square flange receptacle
07	For jam nut receptacle
06	For plugs

2. Wire type

N	Nylon cord
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3. Series

TV	For MIL-DTL-38999 Serie III (TV-CTV), RNJLP, SC39
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4. Cap size

13

✓ RoHS compliant

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