

## Description

Multipin feedthroughs can be used for electrical measurement, signals, heaters and for thermocouple connections.

We supply 3 to 7 pin versions for your application where space is limited.



## Features

- 3 to 7 pins
- Available on CF / KF flanges and weldable
- UHV compatible materials
- Including Air side connector
- Custom configuration available on request

## Specification:

<b>Voltage</b>	max. 500 V@DC
<b>Current</b>	3.5 Amp per pin max. total 6A (3 Pins), 10A (5 Pins), 15A (7 Pins)

## Temperature range

CF mounted FT	-50 to 450 °C
ISO KF mounted FT	-20 to 150 °C
Air side connector	-50 to 65 °C

Description	Part Number
Multi PIN Feedthrough 3PINS DN16CF	1-MP-1000
Multi PIN Feedthrough 5PINS DN16CF	1-MP-2000
Multi PIN Feedthrough 5PINS DN40CF	1-MP-3000
Multi PIN Feedthrough 7PINS DN16CF	1-MP-4000
Multi PIN Feedthrough 7PINS DN40CF	1-MP-5000
Multi PIN Feedthrough 3PINS DN16KF	1-MP-6000
Multi PIN Feedthrough 3PINS DN40KF	1-MP-7000
Multi PIN Feedthrough 5PINS DN16KF	1-MP-8000
Multi PIN Feedthrough 5PINS DN40KF	1-MP-9000
Multi PIN Feedthrough 7PINS DN16KF	1-MP-1000
Multi PIN Feedthrough 7PINS DN40KF	1-MP-1100

# Multipin Feedthroughs 700V – 10Amp Single Ended

### Description

Multipin feedthroughs can be used for electrical measurement, signals, heaters and for thermocouple connections.

We supply 4 to 35 pin versions including industry standard threaded connectors (MIL-C-5015 Specification).



### Features

- 4 to 35 pins
- Available on CF / KF flanges and weldable
- UHV compatible materials
- Including Air side connector
- Industry standard threaded connectors
- Custom configuration available on request

### Specification:

<b>Voltage</b>	700 VDC max
<b>Current</b>	10 Amp per pin max. total 28A (4 Pins), 36A (6 Pins), 50A (10 Pins), 765A (20 Pins) 100A (35 Pins)
<b>Temperature range</b>	
CF mounted FT	-55 to 450°C
ISO KF mounted FT	-20 to 150°C
Weldable	-55 to 450°C
Air side connector	-55 to 125°C

Description		Part Number
Weldable	20PINS	1-MP-0500
Weldable	4PINS	1-MP-7200
Weldable	6PINS	1-MP-8200
Weldable	10PINS	1-MP-9200
Weldable	35PINS	1-MP-0300
Weldable	35PINS	1-MP-3100
DN16CF	4PINS	1-MP-2100
DN40CF	4PINS	1-MP-3100
DN16CF	6PINS	1-MP-4100
DN40CF	6PINS	1-MP-5100
DN16CF	10PINS	1-MP-6100
DN40CF	10PINS	1-MP-7100
DN40CF	20PINS	1-MP-8100

# Multipin Feedthroughs 700V – 10Amp Double Ended

1.1

## Description

Multipin feedthroughs can be used for electrical measurement, signals, heaters and for thermocouple connections.

We supply 4 to 35 pin versions including industry standard threaded connectors (MIL-C-5015 Specification).

This double sided design shows on air and vacuum side a standard threaded connection.

## Features

- 4 to 35 pins
- Available on CF / KF flanges
- UHV compatible materials
- Including Air side connector
- Industry standard threaded connectors
- Custom configuration available on request

## Specification:

<b>Voltage</b>	700 VDC max
<b>Current</b>	10 Amp per pin max. total 28A (4 Pins), 36A (6 Pins), 50A (10 Pins)
<b>Temperature range</b>	
CF mounted FT	-100 to 350 °C
Air side connector	-100 to 350 °C

Description		Part Number
DN40CF	4PINS	1-MP-2300
DN40CF	6PINS	1-MP-3300
DN40CF	10PINS	1-MP-4300
DN63CF	20PINS	1-MP-5300

1.1 multipin feedthroughs

# Multipin Feedthroughs 700V – up to 23Amp

### Description

Multipin feedthroughs can be used for electrical measurement, signals, heaters and for thermocouple connections.

We supply 2 to 8 pin versions with either copper or nickel pin material.

### Features

- 2 to 8 pins
- Available on CF flanges
- UHV compatible materials
- Including Air side connector
- Industry standard threaded connectors
- Custom configuration available on request

### Specification:

<b>Voltage</b>	700 VDC max
<b>Current</b>	15 Amp per nickel pin 23 Amp per copper pin
<b>Pins</b>	Copper / Nickel
<b>Temperature range</b>	
CF mounted FT	-55 to 350°C
Air side connector	-55 to 125°C

Description			Part Number
DN40CF	2PINS	copper	1-MP-2400
DN40CF	2PINS	nickel	1-MP-7300
DN40CF	3PINS	copper	1-MP-3400
DN40CF	3PINS	nickel	1-MP-8300
DN40CF	4PINS	copper	1-MP-4400
DN40CF	4PINS	nickel	1-MP-9300
DN40CF	5PINS	copper	1-MP-5400
DN40CF	5PINS	nickel	1-MP-0400
DN40CF	7PINS	copper	1-MP-6400
DN40CF	7PINS	nickel	1-MP-1400
DN40CF	8PINS	copper	1-MP-7400
DN40CF	8PINS	nickel	1-MP-4600

## Description

Subminiature-C are multi-pin feedthroughs with a compact design. 9 gold plated pins are sealed independently in glass ceramic. This assembly is electrically insulated and inserted into a stainless steel body which enables to install this 9-pin feedthrough even into a DN16CF or DN16KF flanges. Air and vacuum side connector and cable assemblies are available for high and Ultra high applications.



## Features

- UHV compatible construction
- Available on CF and KF flanges
- Air side and vacuum side connectors and cables available
- High temperature rated up to 250 °C
- Custom configuration on request
- PEEK connector for vacuum side with locking screw
- Pins out of Ni-Fe alloy, gold plated
- Seal/Insulation by Glass ceramic

## Specification:

<b>Voltage</b>	300 VDC max
<b>Current</b>	5 Amp max at 20 °C
<b>Temperature range</b>	
CF mounted FT	250 °C
KF mounted FT	150 °C
Air side connector	125 °C
Thermal gradient	25 °C/min

Description	Part Number
DN16CF SUB C 9 PINS KIT including air + vacuum side connector	1-MP-6500
DN16CF SUB C 9 PINS	1-MP-6600
DN40CF SUB C 2x9 PINS	1-MP-7600
DN16KF SUB C 9 PINS KIT including air + vacuum side connector	1-MP-8600
DN16KF SUB C 9 PINS	1-MP-9600

## Multipin Feedthroughs: 19 Pins, Circular Design

### Description

As an enhancement to our Subminiature-C multi-pin feedthroughs we supply a 19 pin version as well. The gold plated pins are sealed independently in glass ceramic. This assembly is electrically insulated and inserted into a stainless steel body which enables to install this 19-pin feedthrough into DN40CF or DN40KF flanges. Further configurations are possible on request.

Air and vacuum side connector and cable assemblies are available for high and Ultra high applications.

### Features

- UHV compatible construction
- Available on CF and KF flanges
- Air side and vacuum side connectors and cables available
- High temperature rated up to 250 °C
- Custom configuration on request
- PEEK connector for vacuum side with locking screw
- Pins out of Ni-Fe alloy, gold plated
- Seal/Insulation by Glass ceramic

### Specification:

<b>Voltage</b>	max. 500 V@DC
<b>Current</b>	5 Amp max at 20 °C
<b>Temperature range</b>	
CF mounted FT	250 °C
KF mounted FT	150 °C
Air side connector	125 °C
Thermal gradient	25 °C/min

Description	Part Number
DN40CF 19 PIN KIT including air + vacuum side connector and cable	1-SC-0001
DN40CF 19 PIN feedthrough	1-SC-0002
DN40KF 19 PIN KIT including air + vacuum side connector and cable	1-SC-0003
DN40KF 19 PIN feedthrough	1-SC-0004

### Description

Subminiature-D are multi-pin feedthroughs to meet standard pin patterns with 9, 15, 25 and 50 pin configuration. The gold plated pins are sealed independently in glass ceramic. This assembly is electrically insulated and inserted into a stainless steel body. Air and vacuum side connector and cable assemblies are available for high and Ultra high applications. Customized versions with an extensive number of pins are possible on standard CF flange sizes.



### Specification:

<b>Voltage</b>	max. 300 V@DC
<b>Current</b>	5 Amp max at 20°C
<b>Temperature range</b>	
CF mounted FT	250 °C
KF mounted FT	150 °C
Air side connector	125 °C
Thermal gradient	25 °C/min

### Features

- UHV compatible construction
- Available on CF and KF flanges
- Air side and vacuum side connectors and cables available
- High temperature up to 250 °C
- Custom configuration on request
- PEEK connector for vacuum side
- Pins out of Ni-Fe alloy, gold plated
- Seal/Insulation by Glass ceramic

Description			Part Number
DN40CF	SUB D	9Pins	1-MP-0700
DN40CF	SUB D	15 Pins	1-MP-9400
DN63CF	SUB D	15Pins	1-MP-1700
DN40CF	SUB D	25Pins	1-MP-1500
DN63CF	SUB D	25Pins	1-MP-2700
DN63CF	SUB D	50Pins	1-MP-3700
DN100CF	SUB D	50Pins	1-MP-4700
DN25KF	SUB D	9Pins	1-MP-7500
DN40KF	SUB D	9Pins	1-MP-5700
DN40KF	SUB D	15Pins	1-MP-9500
DN50KF	SUB D	15Pins	1-MP-6700
DN63LF	SUB D	25Pins	1-MP-7700
DN100LF	SUB D	50Pins	1-MP-8700
DN100CF	SUBD	2x50Pins	1-MP-0800

# Power Feedthroughs 500 to 5000 VDC

1.1

## Description

Power feedthroughs can be applied when high voltage and / or high current will be used.

This section includes feedthroughs with air sides connector but also versions with exposed power pins.

## Specification:

**Voltage** 500 to 5000 VDC max

**Current** 3.5 to 600 Amp

## Temperature range

CF mounted FT -100 to 450 °C

ISO KF mounted FT -20 to 150 °C

Weldable FT -100 to 450 °C

## Features

- 1 to 8 pins
- Available on CF/KF/Baseplate 1" flanges and weldable
- UHV compatibles materials
- In-vacuum accessories available
- Custom configuration on request



## Power FT 500 & 1000 VDC to 15 Amp 1 to 8 pins

Description	Part Number
PW FT 500V 10AMP MOLY WELD	1-PW-0050
PW FT 500V 3AMP COPPER WELD	1-PW-1050
PW FT 500V 2AMP NICKEL WELD	1-PW-2050
PW FT 500V INSTRUM ONLY SST WELD	1-PW-3050
PW FT 500V 3AMP COPPER WELD	1-PW-4050
PW FT 500V 2AMP CONSTANTAN WELD	1-PW-5050
PW FT 500V INSTRUM ONLY SST WELD	1-PW-6050
PW FT 500V 10AMP MOLY 2 PIN WELD	1-PW-0350
PW FT 500V 3AMP COPPER 2 PIN WELD	1-PW-1350
PW FT 500V 2AMP NICKEL 2 PIN WELD	1-PW-3350
PW FT 500V INSTRUM ONLY SST 2 PIN WELD	1-PW-5350
PW FT 500V 10AMP MOLY 4 PIN WELD	1-PW-1550
PW FT 500V 3AMP COPPER 4 PIN WELD	1-PW-2550
PW FT 500V 2AMP NICKEL 4 PIN WELD	1-PW-4550
PW FT 500V INSTRUM ONLY SST 4 PIN WELD	1-PW-6550
PW FT 500V 10AMP MOLY 8 PIN WELD	1-PW-4650
PW FT 500V 10AMP MOLY 2 PIN CF16	1-PW-6150
PW FT 500V 3AMP COPPER 2 PIN CF16	1-PW-7150
PW FT 500V 2AMP NICKEL 2 PIN CF16	1-PW-9150
PW FT 500V INSTRUM ONLY SST 2 PIN CF16	1-PW-1250
PW FT 500V 10AMP MOLY 4 PIN CF16	1-PW-7350
PW FT 500V 3AMP COPPER 4 PIN CF16	1-PW-8350
PW FT 500V 2AMP NICKEL 4 PIN CF16	1-PW-0450
PW FT 500V INSTRUM ONLY SST 4 PIN CF16	1-PW-2450
PW FT 500V 10AMP MOLY 8 PIN CF16	1-PW-8550
PW FT 500V 10AMP MOLY 2 PIN KF16	1-PW-3250
PW FT 500V 3AMP COPPER 2 PIN KF16	1-PW-4250
PW FT 500V 2AMP NICKEL 2 PIN KF16	1-PW-6250
PW FT 500V INSTRUM ONLY SST 2 PIN KF16	1-PW-8250
PW FT 500V 10AMP MOLY 4 PIN KF16	1-PW-4450
PW FT 500V 3AMP COPPER 4 PIN KF16	1-PW-5450
PW FT 500V 2AMP NICKEL 4 PIN KF16	1-PW-7450
PW FT 500V INSTRUM ONLY SST 4 PIN KF16	1-PW-9450
PW FT 500V 10AMP MOLY 8 PIN KF16	1-PW-1650

1.1 power feedthroughs



## Power Feedthroughs 500 to 5000 VDC

### Power FT 500 & 1000 VDC to 15 Amp 1 to 8 pins

Description	Part Number
PW FT 1KV 15AMP COPPER 8 PIN WELD	1-PW-5650
PW FT 1KV 5AMP NICKEL 8 PIN WELD	1-PW-6650
PW FT 1KV 15AMP COPPER WELD	1-PW-7050
PW FT 1KV 5AMP NICKEL WELD	1-PW-8050
PW FT 1KV 1AMP SST WELD	1-PW-9050
PW FT 1KV 15AMP COPPER 2 PIN WELD	1-PW-2350
PW FT 1KV 5AMP NICKEL 2 PIN WELD	1-PW-4350
PW FT 1KV 1AMP SST 2 PIN WELD	1-PW-6350
PW FT 1KV 15AMP COPPER 4 PIN WELD	1-PW-3550
PW FT 1KV 5AMP NICKEL 4 PIN WELD	1-PW-5550
PW FT 1KV 1AMP SST 4 PIN WELD	1-PW-7550
PW FT 1KV 15AMP COPPER 8 PIN CF16	1-PW-9550
PW FT 1KV 5AMP NICKEL 8 PIN CF16	1-PW-0650
PW FT 1KV 15AMP COPPER 2 PIN CF16	1-PW-8150
PW FT 1KV 5AMP NICKEL 2 PIN CF16	1-PW-0250
PW FT 1KV 1AMP SST 2 PIN CF16	1-PW-2250
PW FT 1KV 15AMP COPPER 4 PIN CF16	1-PW-9350
PW FT 1KV 5AMP NICKEL 4 PIN CF16	1-PW-1450
PW FT 1KV 1AMP SST 4 PIN CF16	1-PW-3450
PW FT 1KV 15AMP COPPER 8 PIN KF16	1-PW-2650
PW FT 1KV 5AMP NICKEL 8 PIN KF16	1-PW-3650
PW FT 1KV 15AMP COPPER 2 PIN KF16	1-PW-5250
PW FT 1KV 5AMP NICKEL 2 PIN KF16	1-PW-7250
PW FT 1KV 1AMP SST 2 PIN KF16	1-PW-9250
PW FT 1KV 15AMP COPPER 4 PIN KF16	1-PW-6450
PW FT 1KV 5AMP NICKEL 4 PIN KF16	1-PW-8450
PW FT 1KV 1AMP SST 4 PIN KF16	1-PW-0550

### Power FT 2000 VDC to 30 Amp 1 to 10 pins

Description	Part Number
PW FT 2000V 10AMP 4 PIN WELD	1-PW-3750
PW FT 2000V 10AMP 6 PIN WELD	1-PW-4750
PW FT 2000V 10AMP 10 PIN WELD	1-PW-5750
PW FT 2000V 10AMP 4 PIN CF16	1-PW-7650
PW FT 2000V 10AMP 6 PIN CF16	1-PW-8650
PW FT 2000V 10AMP 10 PIN CF16	1-PW-9650
PW FT 2000V 10AMP 4 PIN KF16	1-PW-0750
PW FT 2000V 10AMP 6 PIN KF16	1-PW-1750
PW FT 2000V 10AMP 10 PIN KF16	1-PW-2750

### Power FT 3000 VDC to 600 Amp 1 pin

Description	Part Number
PW FT 3KV 15AMP COPPER WELD	1-PW-0150
PW FT 3KV 5AMP NICKEL WELD	1-PW-1150
PW FT 3KV 1AMP SST WELD	1-PW-2150
PW FT 3KV 600AMP 1 PIN COPPER WELD	1-PW-8160
PW FT 3KV 250AMP 1 PIN COPPER WELD	1-PW-9160
PW FT 3KV 600AMP 1 PIN COPPER CF40	1-PW-8260
PW FT 3KV 250AMP 1 PIN COPPER CF16	1-PW-9260
PW FT 3KV 600AMP 1 PIN COPPER KF40	1-PW-4560
PW FT 3KV 250AMP 1 PIN COPPER KF16	1-PW-5560
PW FT 3KV 250AMP 1 PIN COPPER BASEPLATE	1-PW-1760

# Power Feedthroughs 500 to 5000 VDC

1.1

## Power FT 3500 VDC to 10 Amp 7 to 20 pins

Description	Part Number
PW FT 3500V 10AMP 7 PIN WELD	1-PW-0870
PW FT 3500V 10AMP 10 PIN WELD	1-PW-1870
PW FT 3500V 10AMP 20 PIN WELD	1-PW-2870
PW FT 3500V 10AMP 7 PIN CF16	1-PW-4870
PW FT 3500V 10AMP 7 PIN CF40	1-PW-3870
PW FT 3500V 10AMP 10 PIN CF16	1-PW-4870
PW FT 3500V 10AMP 20 PIN CF40	1-PW-5870
PW FT 3500V 10AMP 7 PIN KF16	1-PW-6870
PW FT 3500V 10AMP 10 PIN KF16	1-PW-7870
PW FT 3500V 10AMP 20 PIN KF40	1-PW-8870
PW FT 3500V 10AMP 20 PIN KF50	1-PW-9870

## Power FT 5000 VDC to 150 Amp 1 to 12 pins

Description	Part Number
PW FT 5KV 15AMP COPPER WELD	1-PW-3150
PW FT 5KV 5AMP NICKEL WELD	1-PW-4150
PW FT 5KV 1AMP SST WELD	1-PW-5150
PW FT 5KV 30AMP 1 PIN COPPER CF16	1-PW-8850
PW FT 5KV 15AMP 1 PIN NICKEL CF16	1-PW-9850
PW FT 5KV 15AMP 2 PIN COPPER CF16	1-PW-6750
PW FT 5KV 5AMP 2 PIN NICKEL CF16	1-PW-7750
PW FT 5KV 1AMP 2 PIN SST CF16	1-PW-8750
PW FT 5KV 30AMP 2PIN COPPER CF16	1-PW-0950
PW FT 5KV 15AMP 2PIN NICKEL CF16	1-PW-1950
PW FT 5KV 30AMP 2PIN COPPER CF40	1-PW-2950
PW FT 5KV 15AMP 2PIN NICKEL CF40	1-PW-3950
PW FT 5KV 15AMP 4PIN COPPER CF16	1-PW-9750
PW FT 5KV 5AMP 4PIN NICKEL CF16	1-PW-0850
PW FT 5KV 1AMP 4PIN SST CF16	1-PW-1850
PW FT 5KV 30AMP 4PIN COPPER CF40	1-PW-4950
PW FT 5KV 15AMP 4PIN NICKEL CF40	1-PW-5950
PW FT 5KV 30AMP 8PIN COPPER CF40	1-PW-6950
PW FT 5KV 15AMP 8PIN NICKEL CF40	1-PW-7950
PW FT 5KV 30AMP 1 PIN COPPER KF16	1-PW-8950
PW FT 5KV 15AMP 1 PIN NICKEL KF16	1-PW-9950
PW FT 5KV 15AMP 2 PIN COPPER KF16	1-PW-2850
PW FT 5KV 5AMP 2 PIN NICKEL KF16	1-PW-3850
PW FT 5KV 1AMP 2 PIN SST KF16	1-PW-4850
PW FT 5KV 30AMP 2PIN COPPER KF16	1-PW-0060
PW FT 5KV 15AMP 2PIN NICKEL KF16	1-PW-1060
PW FT 5KV 30AMP 2PIN COPPER KF40	1-PW-2060
PW FT 5KV 15AMP 2PIN NICKEL KF40	1-PW-3060
PW FT 5KV 15AMP 4PIN COPPER KF16	1-PW-5850
PW FT 5KV 5AMP 4PIN NICKEL KF16	1-PW-6850
PW FT 5KV 1AMP 4PIN SST KF16	1-PW-7850
PW FT 5KV 30AMP 4PIN COPPER KF40	1-PW-4060
PW FT 5KV 15AMP 4PIN NICKEL KF40	1-PW-5060
PW FT 5KV 30AMP 8PIN COPPER KF40	1-PW-6060
PW FT 5KV 15AMP 8PIN NICKEL KF40	1-PW-7060

1.1 power feedthroughs

## Power Feedthroughs 10 to 40kV VDC

### Power FT 10kV VDC to 30 Amp 1 to 4 pins

Description	Part Number
PW FT 10KV 30AMP 1 PIN COPPER WELD	1-PW-0970
PW FT 10KV 15AMP 1 PIN COPPER WELD	1-PW-1970
PW FT 10KV 30AMP 1 PIN COPPER CF16	1-PW-2970
PW FT 10KV 15AMP 1 PIN COPPER CF16	1-PW-3970
PW FT 10KV 30AMP 2 PIN COPPER CF16	1-PW-4970
PW FT 10KV 15AMP 2 PIN COPPER CF16	1-PW-5970
PW FT 10KV 30AMP 2 PIN COPPER CF40	1-PW-6970
PW FT 10KV 15AMP 2 PIN COPPER CF40	1-PW-7970
PW FT 10KV 30AMP 4 PIN COPPER CF40	1-PW-8970
PW FT 10KV 15AMP 4 PIN COPPER CF40	1-PW-9970
PW FT 10KV 30AMP 1 PIN COPPER KF16	1-PW-0080
PW FT 10KV 15AMP 1 PIN NICKEL KF16	1-PW-1080
PW FT 10KV 30AMP 2 PIN COPPER KF16	1-PW-2080
PW FT 10KV 15AMP 2 PIN NICKEL KF16	1-PW-3080
PW FT 10KV 30AMP 2 PIN COPPER KF40	1-PW-4080
PW FT 10KV 15AMP 2 PIN NICKEL KF40	1-PW-5080
PW FT 10KV 30AMP 4 PIN COPPER KF40	1-PW-6080
PW FT 10KV 15AMP 4 PIN NICKEL KF40	1-PW-7080

### Power FT 12kV VDC to 150 Amp 1 to 2 pins

Description	Part Number
PW FT 12KV 100AMP 1 PIN COPPER EXPOSED BASEPLATE	1-PW-8080
PW FT 12KV 50AMP 1 PIN NICKEL EXPOSED BASEPLATE	1-PW-9080
PW FT 12KV 5AMP 1 PIN SST EXPOSED BASEPLATE	1-PW-0180
PW FT 12KV 100AMP 1 PIN COPPER SHIELDED BASEPLATE	1-PW-1180
PW FT 12KV 50AMP 1 PIN NICKEL SHIELDED BASEPLATE	1-PW-2180
PW FT 12KV 5AMP 1 PIN SST SHIELDED BASEPLATE	1-PW-3180
PW FT 12KV 150AMP 1 PIN COPPER WELD	1-PW-5260
PW FT 12KV 75AMP 1 PIN NICKEL WELD	1-PW-6260
PW FT 12KV 7AMP 1 PIN SST WELD	1-PW-7260
PW FT 12KV 150AMP 1 PIN COPPER CF16	1-PW-5460
PW FT 12KV 75AMP 1 PIN NICKEL CF16	1-PW-6460
PW FT 12KV 7AMP 1 PIN SST CF16	1-PW-7460
PW FT 12KV 150AMP 1 PIN COPPER CF40	1-PW-8460
PW FT 12KV 75AMP 1 PIN NICKEL CF40	1-PW-9460
PW FT 12KV 7AMP 1 PIN SST CF40	1-PW-0560
PW FT 12KV 150AMP 2 PIN COPPER CF40	1-PW-1560
PW FT 12KV 75AMP 2 PIN NICKEL CF40	1-PW-2560
PW FT 12KV 7AMP 2 PIN SST CF40	1-PW-3560

### Power FT 12kV VDC to 15 Amp 1 pin

Description	Part Number
PW FT 20KV 15AMP 1 PIN NICKEL WELD	1-PW-8270
PW FT 20KV 15AMP 1 PIN NICKEL CF16	1-PW-4180
PW FT 20KV 15AMP 1 PIN NICKEL KF16	1-PW-5180

# Power Feedthroughs 10 to 40kV VDC

1.1

## Power FT 20 TO 30kV VDC to 150 Amp 1 to 3 pins

Description	Part Number
PW FT 30KV 1AMP 1 PIN WELD	1-PW-7160
PW FT 25KV 1AMP 1 PIN WELD	1-PW-6160
PW FT 20KV 1AMP 1 PIN WELD	1-PW-5160
PW FT 20KV 150AMP 1 PIN COPPER WELD	1-PW-0160
PW FT 20KV 75AMP 1 PIN NICKEL WELD	1-PW-1160
PW FT 25KV 30AMP 2 PIN NICKEL WELD	1-PW-6180
PW FT 20KV 150AMP 1 PIN COPPER CF40	1-PW-8060
PW FT 20KV 75AMP 1 PIN NICKEL CF40	1-PW-9060
PW FT 25KV 1AMP 1 PIN CF40	1-PW-3160
PW FT 20KV 1AMP 1 PIN CF40	1-PW-2160
PW FT 30KV 1AMP 1 PIN CF40	1-PW-4160
PW FT 20KV 30AMP 1 PIN COPPER CF40	1-PW-7180
PW FT 30KV 30AMP 1 PIN COPPER KF40	1-PW-8180
PW FT 25KV 30AMP 1 PIN COPPER KF40	1-PW-9180
PW FT 20KV 30AMP 1 PIN COPPER KF40	1-PW-0280

## Power FT 40kV VDC to 7 Amp 1 pin

Description	Part Number
PW FT 40KV 7AMP 1 PIN WELD W/AIR CON	1-PW-1280
PW FT 40KV 7AMP 1 PIN KF40 W/AIR CON	1-PW-2280
PW FT 40KV 7AMP 1 PIN KF50 W/AIR CON	1-PW-3280
PW FT 40KV 7AMP 1 PIN KF40 W/AIR CON	1-PW-4280

1.1 power feedthroughs

## Power Feedthroughs Watercooled

### Power FT 50 to 5000 VDC 1 to 4 pins watercooled

Description	Part Number
PW FT 50V 1000AMP 1 TUBE COPPER BASEPLATE	1-PW-4280
PW FT 3KV 1TUBE DIA19.05MM LONG COP W-COOL WELD	1-PW-5760
PW FT 3KV 1 TUBE DIA 9.652MM COP W-COOL WELD	1-PW-6760
PW FT 5KV 1 TUBE DIA 6.35MM COP W-COOL WELD	1-PW-7760
PW FT 5KV 1 TUBE DIA 6.35MM NIC W-COOL WELD	1-PW-8760
PW FT 5KV 1 TUBE DIA 6.35MM SST W-COOL WELD	1-PW-9760
PW FT 3KV 1 TUBE DIA 19.05MM COP W-COOL CF40	1-PW-0860
PW FT 3KV 1 TUBE DIA 9.652MM COP W-COOL CF16	1-PW-1860
PW FT 5KV 1 TUBE DIA 6.35MM COP W-COOL CF16	1-PW-2860
PW FT 5KV 1 TUBE DIA 6.35MM NIC W-COOL CF16	1-PW-3860
PW FT 5KV 1 TUBE 6.35MM SST W-COOL CF16	1-PW-4860
PW FT 5KV 1 TUBE 6.35MM COP W-COOL CF40	1-PW-5860
PW FT 5KV 1 TUBE DIA 6.35MM NIC W-COOL CF40	1-PW-6860
PW FT 5KV 1 TUBE DIA 6.35MM SST W-COOL CF40	1-PW-7860
PW FT 5KV 2 TUBES DIA 6.35MM COP W-COOL CF40	1-PW-8860
PW FT 5KV 2 TUBES DIA 6.35MM NIC W-COOL CF40	1-PW-9860
PW FT 5KV 2 TUBES DIA 6.35MM SST W-COOL CF40	1-PW-0960
PW FT 5KV 3 TUBES DIA 6.35MM COP W-COOL CF40	1-PW-1960
PW FT 5KV 3 TUBES DIA 6.35MM NIC W-COOL CF40	1-PW-2960
PW FT 5KV 3 TUBES DIA 6.35MM SST W-COOL CF40	1-PW-3960
PW FT 5KV 4 TUBES DIA 6.35MM COP W-COOL CF40	1-PW-4960
PW FT 5KV 4 TUBES DIA 6.35MM NIC W-COOL CF40	1-PW-5960
PW FT 5KV 4 TUBES DIA 6.35MM SST W-COOL CF40	1-PW-6960
PW FT 3KV 1 TUBE COPPER W-COOLED KF16	1-PW-5280
PW FT 5KV 1 TUBE COPPER W-COOLED KF16	1-PW-7960
PW FT 5KV 1 TUBE NICKEL W-COOLED KF16	1-PW-8960
PW FT 5KV 1 TUBE SST W-COOLED KF16	1-PW-9960
PW FT 5KV 1 TUBE COPPER W-COOLED KF40	1-PW-0070
PW FT 5KV 1 TUBEN NICKEL W-COOLED KF40	1-PW-1070
PW FT 5KV 1 TUBE SST W-COOLED KF40	1-PW-2070
PW FT 5KV 2 TUBE COPPER W-COOLED KF40	1-PW-3070
PW FT 5KV 2 TUBE NICKEL W-COOLED KF40	1-PW-4070
PW FT 5KV 2 TUBE SST W-COOLED KF40	1-PW-5070
PW FT 5KV 3 TUBE COPPER W-COOLED KF40	1-PW-6070
PW FT 5KV 3 TUBE NICKEL W-COOLED KF40	1-PW-7070
PW FT 5KV 3 TUBE SST W-COOLED KF40	1-PW-8070
PW FT 5KV 4 TUBE COPPER W-COOLED KF40	1-PW-9070
PW FT 5KV 4 TUBE NICKEL W-COOLED KF40	1-PW-0170
PW FT 5KV 4 TUBE SST W-COOLED KF40	1-PW-1170
PW FT 3KV 1000AMP 1 PIN COP W-COOL CF40	1-PW-2170

# Power Feedthroughs Power-Glove

1.1

## Power FT 5 to 10kVDC 1 to 8 pins power-glove

Description	Part Number
PW FT 5KV 25AMP 1 PIN COPPER WELD P-GLOVE	1-PW-6280
PW FT 5KV 15AMP 1 PIN COPPER WELD P-GLOVE	1-PW-7280
PW FT 5KV 1AMP 1 PIN COPPER WELD P-GLOVE	1-PW-8280
PW FT 5KV 25AMP 1 PIN COPPER CF16 P-GLOVE	1-PW-3170
PW FT 5KV 25AMP 1 PIN COPPER CF40 P-GLOVE	1-PW-4170
PW FT 5KV 25AMP 2 PIN COPPER CF40 P-GLOVE	1-PW-5170
PW FT 5KV 25AMP 3 PIN COPPER CF40 P-GLOVE	1-PW-6170
PW FT 5KV 25AMP 4 PIN COPPER CF40 P-GLOVE	1-PW-7270
PW FT 5KV 25AMP 5 PIN COPPER CF40 P-GLOVE	1-PW-9280
PW FT 5KV 25AMP 6 PIN COPPER CF40 P-GLOVE	1-PW-0380
PW FT 5KV 25AMP 7 PIN COPPER CF40 P-GLOVE	1-PW-1380
PW FT 5KV 25AMP 8 PIN COPPER CF40 P-GLOVE	1-PW-2380
PW FT 5KV 25AMP 1 PIN COPPER KF16 P-GLOVE	1-PW-3380
PW FT 5KV 25AMP 1 PIN COPPER KF40 P-GLOVE	1-PW-4380
PW FT 5KV 25AMP 2 PIN COPPER KF16 P-GLOVE	1-PW-5380
PW FT 5KV 25AMP 3 PIN COPPER KF16 P-GLOVE	1-PW-6380
PW FT 5KV 25AMP 4 PIN COPPER KF16 P-GLOVE	1-PW-7380
PW FT 5KV 25AMP 5 PIN COPPER KF16 P-GLOVE	1-PW-8380
PW FT 5KV 25AMP 6 PIN COPPER KF16 P-GLOVE	1-PW-9380
PW FT 5KV 25AMP 7 PIN COPPER KF16 P-GLOVE	1-PW-0480
PW FT 5KV 25AMP 8 PIN COPPER KF16 P-GLOVE	1-PW-1480
PW FT 10KV 25AMP 1 PIN COPPER WELD P-GLOVE	1-PW-2270
PW FT 10KV 15AMP 1 PIN NICKEL WELD P-GLOVE	1-PW-4270
PW FT 10KV 1AMP 1 PIN SST WELD P-GLOVE	1-PW-5270
PW FT 10KV 25AMP 1 PIN COPPER CF16 P-GLOVE	1-PW-7170
PW FT 10KV 25AMP 1 PIN COPPER CF40 P-GLOVE	1-PW-8170
PW FT 10KV 25AMP 2 PIN COPPER CF40 P-GLOVE	1-PW-9170
PW FT 10KV 25AMP 3 PIN COPPER CF40 P-GLOVE	1-PW-0270
PW FT 10KV 25AMP 4 PIN COPPER CF40 P-GLOVE	1-PW-1270
PW FT 10KV 25AMP 5 PIN COPPER CF40 P-GLOVE	1-PW-2480
PW FT 10KV 25AMP 6 PIN COPPER CF40 P-GLOVE	1-PW-3480
PW FT 10KV 25AMP 7 PIN COPPER CF40 P-GLOVE	1-PW-4480
PW FT 10KV 25AMP 8 PIN COPPER CF40 P-GLOVE	1-PW-5480

1.1 power feedthroughs

## Power Feedthroughs RF 10KW to 450kHz

RF power to 10KW to 450kHz max bakeout temp 300°C

Description	Part Number
PW FT RF 8KV 450HZ 10KW 1PIN WELD	1-RF-4080
PW FT RF 8KV 450HZ 10KW 2PIN WELD	1-RF-5080
PW FT RF 8KV 450HZ 10KW 1PIN CF40	1-RF-0080
PW FT RF 8KV 450HZ 10KW 2PIN CF40	1-RF-1080
PW FT RF 8KV 450HZ 35KW 1PIN KF40	1-RF-2080
PW FT RF 8KV 450HZ 20KW 2PIN KF40	1-RF-3080