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Multipin

Isolator

Coaxial

Thermocouple

SVC16

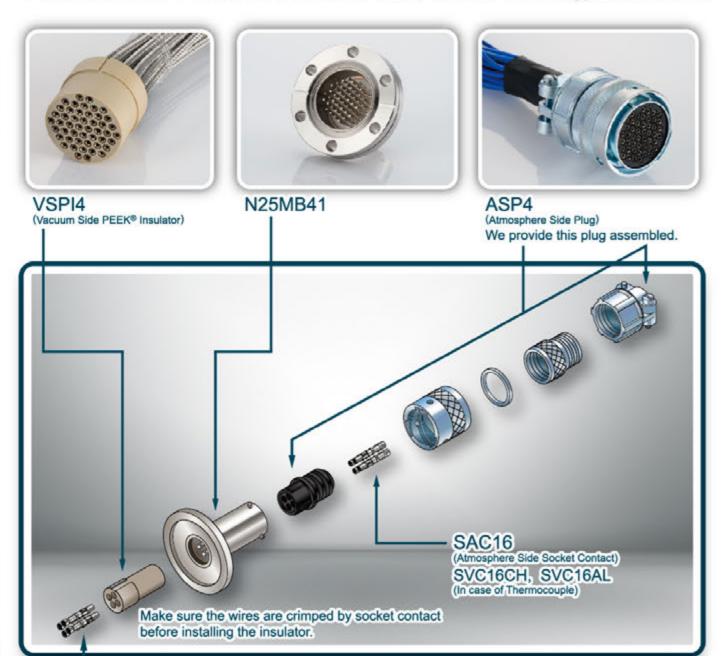
(Vacuum Side Socket Contact)

SVC16CH, SVC16AL

Part number & Reference Index

₡Kyocera

Ex. in case of 4 PIN on NW / KF25 (Also, ConFlat® mount type is avairable)



Socket contact will be auto-locked when they were installed into the insulator.

We deeply recommend using removal tool PT16 when you take socket contact out from the insulator.

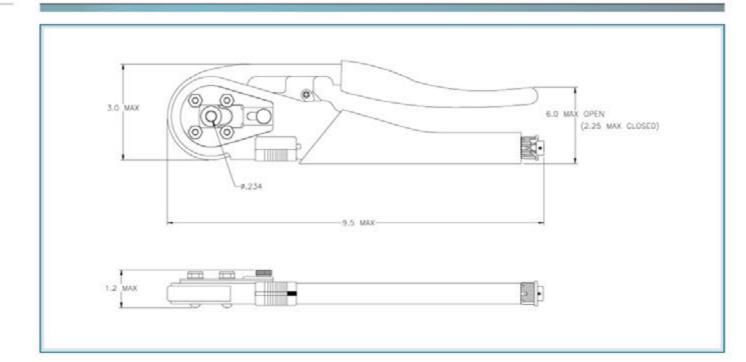
It is hard to take socket out from the insulator if you install socket contact into the insulator before crimping wire.

AWG #20 wire is suitable for socket contact SVC16 and SAC16.

Insulator (VSPI4) and Plug (ASP4) product code will be change by last 1 or 2 digits that describes number of pins.

PEEK® insulator can be baked-out up to 250 °C. Up to 300 °C version is available as VSAI(Vacuum Side Alumina Insulator)

HOW TO USE THE CRIMP TOOL CT2313 Part Number 10052



The CT2313 crimp tool is a micro adjustable, cycle controlled hand crimping tool. It is a fast, versatile and manually operated tool for crimping circular pin and socket contacts.

The tool is adjustable in a range of .025 to .075 inch. Settings to within .001 inch inch increments are possible for precision crimping.

For long life and optimum performance, this tool should be kept clean and handled carefully, as any other precision instrument.

OPERATION

Open and close the tool several times and observe the precision cycle control ratchet mechanism. Note that the tool may not be opened or closed without completing the cycle.

To adjust the indenter opening, location the adjustment window on the tool and observe where the red indicator is located.

Consult Data Plates on either side of the tool for gaging data.

Pull and rotate the red adjustment knob, located at the end of the tool, until the indicator lines to increase, counter-clockwise to decrease opening. See

It will be better to verify the opening by using cables which would be crimped. Close the tool completely and insert the cable between the indenters, as shown in figure #2.

The cable should be a ship-fit between the indenter trip with no sloppiness or free play. Re-adjust adjustment knob as necessary.

Insert the pin or socket contacts with the cable between the indenters and

	8			
				Indenter
Data Plate		Adjustment Window Data Plate	(D)	
5		075 065 055	(A)	Cable
3		.045 .035 .025	Figure #2	Cable
11/				

	inch	mm
10	.1019	2.588
11	.0907	2.305
12	.0808	2.053
13	.072	1.828
14	.0641	1.628
15	.0571	1.45
16	.0508	1.291
17	.0453	1.15
18	.0403	1.024
19	.0359	0.912
20	.032	0.812
21	.0285	0.723
22	.0253	0.644
23	.0226	0.573
24	.0201	0.511
25	.0179	0.455
26	.0159	0.405
27	.0142	0.361
28	.0126	0.321
29	.0113	0.286
30	.01	0.255

Isolator Technical Data Part number & Reference Index

Multipin BURNDY 4

PN

Introduction

Coaxial

Multipin BURNDY 4 PIN

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Dimensions in inches (mm)

N40MB41 [10122]

Features

BURNDY (Bayonet Lock Connector) Standard Type

The BURNDY series is for measurement and control use and is rated to 500 V 3 A, which is compatible with the Bayonet Lock type plug.

The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, a 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". High current type with 10 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of the custom-made flanges.

Materials	M	at	e	d	al	5	
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Flange	304 Stainless steel	
Shell	Kovar®	
Pins	Kovar®	
Insulation	Alumina ceramic	

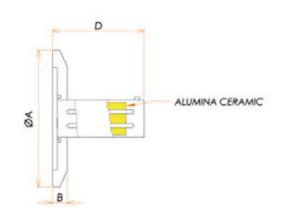
Specifications

COSMO

Туре	Multipin BURNDY
BURNDY	4 PIN
Current: A Per Pins	3
Voltage: V max. DC	500
Max. Current all pins loaded	9.9
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: ℃•	-196 to 300

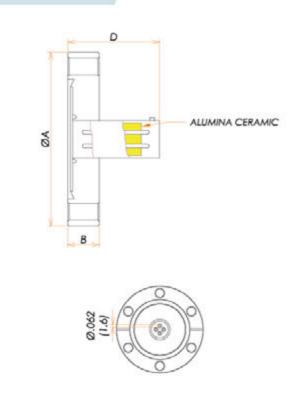
emperature range	will be	changed	depends on	the connection.
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NW / KF Flange





ConFlat® Flange



NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
4	NW / KF 16	1.18 (30)	.24 (6)	1.48 (37.5)	N16MB41	10099
4	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB41	10106
4	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB41	10122

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
4	CF 1.33	1.33 (34)	.30 (7.5)	1.46 (37)	C34MB41	10027
4	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB41	10043

Accessories

Description	REFERENCE	PART NUMBER
4 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI4	10167
4 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI4	10160
062 Socket Contact Vacuum Side	SVC16	10147
062 Socket Contact Air Side	SAC16	10142
Pin Air Side Plug	ASP4	10013
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMOTEC Corporation

Part number & Reference Index

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Isolator

Custom-made products

Multipin BURNDY

œ

PIN

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Coaxial

Custom-made products



THE NEW VALUE FRONTIER **₡**KYOCERa

Multipin BURNDY 8 PIN Multipin



THE NEW VALUE FRONTIER **₡**Kyocera

2.1

Multipin BURNDY 8 PIN

Dimensions in inches (mm)

N40MB81 [10124]

Multipin BURNDY 8 PIN

Features

BURNDY (Bayonet Lock Connector) Standard Type

The BURNDY series is for measurement and control use and is rated to 500 V 3 A, which is compatible with the Bayonet Lock type plug.

The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, a 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". High current type with 10 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of the custom-made flanges.

Ma	terials	5

Flange	304 Stainless stee	
Shell	Kovar®	
Pins	Kovar®	
Insulation	Alumina ceramic	

Specifications

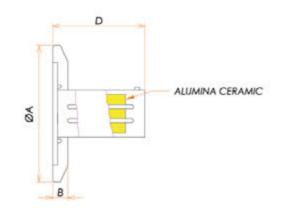
COSMO

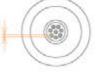
Туре	Multipin BURNDY	
BURNDY	8 PIN	
Current: A Per Pins	3	
Voltage: V max. DC	500	
Max. Current all pins loaded	14.4	
Insulation: ohm min.	10 ⁹	
Frequency: MHz	DC or AC 10 (10 MHz)max.	
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰	
Temperature Range: ℃•	-196 to 300	

emperature ra	ange will be	changed	depends	on the	connection.
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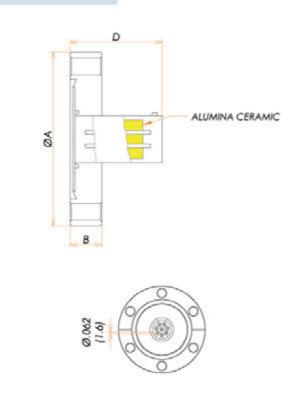
COSMOTEC Corporation

NW / KF Flange





ConFlat® Flange



NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
8	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB81	10107
8	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB81	10124

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
8	CF 1.33	1.33 (34)	.30 (7.5)	1.91 (48.5)	C34MB81	10028
8	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB81	10045

Accessories

Description	REFERENCE	PART NUMBER
8 Pin Vacuum Side PEEK® Insulator (250 ℃ MAX.)	VSPI8	10169
8 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI8	10162
.062 Socket Contact Vacuum Side	SVC16	10147
062 Socket Contact Air Side	SAC16	10142
8 Pin Air Side Plug	ASP8	10016
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

Isolator

Part number & Reference Index

Multipin BURNDY 12 PIN

Multipin

Multipin BURNDY

2

PIN

Coaxial

Multipin

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THE NEW VALUE FRONTIER **₡**KYOCERa

Multipin BURNDY 12 PIN Multipin



Dimensions in inches (mm)

Multipin BURNDY 12 PIN

Features

BURNDY (Bayonet Lock Connector) Standard Type

The BURNDY series is for measurement and control use and is rated to 500 V 3 A, which is compatible with the Bayonet Lock type plug.

The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, a 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". High current type with 10 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of the custom-made flanges.

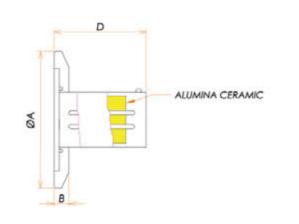
Materials

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

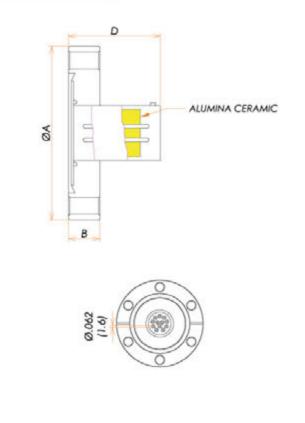
Туре	Multipin BURNDY	
BURNDY	12 PIN	
Current: A Per Pins	3	
Voltage: V max. DC	500	
Max. Current all pins loaded	13.3	
Insulation: ohm min.	10 ⁹	
Frequency: MHz	DC or AC 10 (10 MHz)max.	
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰	
Temperature Range: ℃•	-196 to 300	

NW / KF Flange





ConFlat® Flange



W	KF	Fla	ng	е

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
12	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB121	10104
12	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB121	10180

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
12	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB121	10040

Accessories

Description	REFERENCE	PART NUMBER
12 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI12	10163
12 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI12	10157
.062 Socket Contact Vacuum Side	SVC16	10147
.062 Socket Contact Air Side	SAC16	10142
12 Pin Air Side Plug	ASP12	10005
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMOTEC Corporation

COSMO

*Temperature range will be changed depends on the connection.

Part number & Reference Index

Multipin BURNDY 19 PIN

Multipin

Multipin BURNDY

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PN

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Multipin BURNDY 19 PIN Multipin







Features

BURNDY (Bayonet Lock Connector) Standard Type

The BURNDY series is for measurement and control use and is rated to 500 V 3 A, which is compatible with the Bayonet Lock type plug.

The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, a 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". High current type with 10 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of the custom-made flanges.

Materials	
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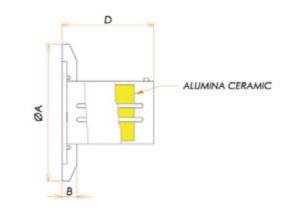
Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

Туре	Multipin BURNDY		
BURNDY	19 PIN		
Current: A Per Pins	3		
Voltage: V max. DC	500		
Max. Current all pins loaded	11.4		
Insulation: ohm min.	10 ⁹		
Frequency: MHz	DC or AC 10 (10 MHz)max.		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: ℃•	-196 to 300		

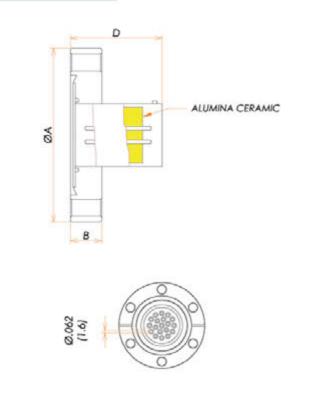
emperature	range v	will be	changed	depends	on th	ne connection.

NW / KF Flange NW / KF Flange





ConFlat® Flange



Multipin

Multipin BURNDY 19 PIN

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
19	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB191	10105
19	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB191	10119

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
19	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB191	10041

Accessories

Description	REFERENCE	PART NUMBER
19 Pin Vacuum Side PEEK® Insulator (250 ℃ MAX.)	VSPI19	10164
19 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI19	10158
.062 Socket Contact Vacuum Side	SVC16	10147
.062 Socket Contact Air Side	SAC16	10142
19 Pin Air Side Plug	ASP19	10007
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMOTEC Corporation

Isolator

Part number & Reference Index

Multipin BURNDY

22

PIN

Multipin BURNDY 22

PIN

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Dimensions in inches (mm)

C70MB221 [10042]

Multipin BURNDY 22 PIN

Features

Multipin

BURNDY (Bayonet Lock Connector) Standard Type

The BURNDY series is for measurement and control use and is rated to 500 V 3 A, which is compatible with the Bayonet Lock type plug.

The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, a 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". High current type with 10 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of the custom-made flanges.

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Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

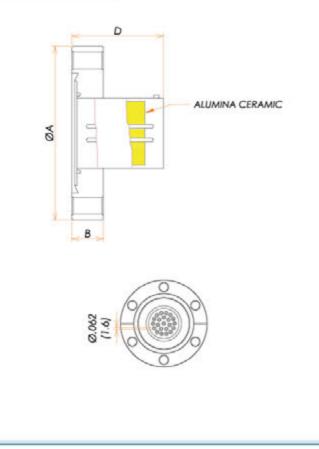
Туре	Multipin BURNDY		
BURNDY	22 PIN		
Current: A Per Pins	3		
Voltage: V max. DC	500		
Max. Current all pins loaded	13.2		
Insulation: ohm min.	10 ⁹		
Frequency: MHz	DC or AC 10 (10 MHz)max.		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: "C+	-196 to 300		

emperature r	range v	will be	changed	depends	on	the	connection.
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NW / KF Flange ALUMINA CERAMIC



ConFlat® Flange



NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
22	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB221	10120

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
22	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB221	10042

Accessories

Description	REFERENCE	PART NUMBER
22 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI22	10165
22 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI22	10159
.062 Socket Contact Vacuum Side	SVC16	10147
.062 Socket Contact Air Side	SAC16	10142
22 Pin Air Side Plug	ASP22	10009
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMOTEC Corporation

Isolator

Part number & Reference Index

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Multipin BURNDY

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PIN

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Coaxial

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Dimensions in inches (mm)

2.1

Multipin BURNDY 30 PIN

C70MB301 [10230]

Features

BURNDY (Bayonet Lock Connector) Standard Type

The BURNDY series is for measurement and control use and is rated to 500 V 3 A, which is compatible with the Bayonet Lock type plug.

The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, a 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". High current type with 10 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of the custom-made flanges.

Materials			-	
	Ma	te.	па	15

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

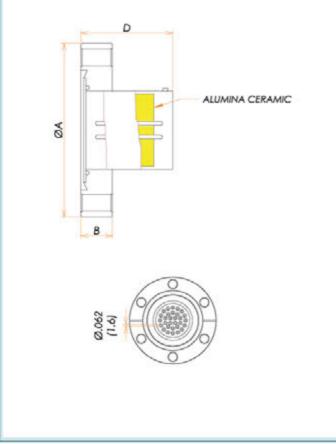
Туре	Multipin BURNDY
BURNDY	30 PIN
Current: A Per Pins	3
Voltage: V max. DC	500
Max. Current all pins loaded	18
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: ℃•	-196 to 300

emperature range will be changed depende	s on the connection.
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NW / KF Flange ALUMINA CERAMIC



ConFlat® Flange



NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
30	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB301	10121

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
30	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB301	10230

Accessories

Description	REFERENCE	PART NUMBER
30 Pin Vacuum Side PEEK® Insulator (250 ℃ MAX.)	VSPI30	10166
.062 Socket Contact Vacuum Side	SVC16	10147
.062 Socket Contact Air Side	SAC16	10142
30 Pin Air Side Plug	ASP30	10011
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

Isolator

Part number & Reference Index

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COSMO

COSMOTEC Corporation

Multipin BURNDY 48

PIN

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Dimensions in inches (mm)

2.1

Multipin BURNDY 48 PIN

C70MB481 [10044]

Multipin BURNDY 48 PIN

Features

Multipin

BURNDY (Bayonet Lock Connector) Standard Type

The BURNDY series is for measurement and control use and is rated to 500 V 3 A, which is compatible with the Bayonet Lock type plug.

The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, a 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". High current type with 10 A is available. Select flange size and type from NW / KF, ConFlat®, ISO-K,

ISO-F and ASA. Accessories are available, including vacuum side insulators

(PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of the custom-made flanges.

Materials			-	
	Ma	te.	па	15

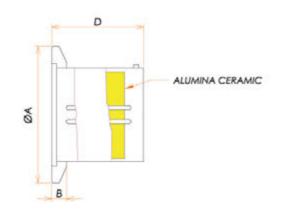
Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

Туре	Multipin BURNDY
BURNDY	48 PIN
Current: A Per Pins	3
Voltage: V max. DC	500
Max. Current all pins loaded	28.8
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: ℃•	-196 to 300

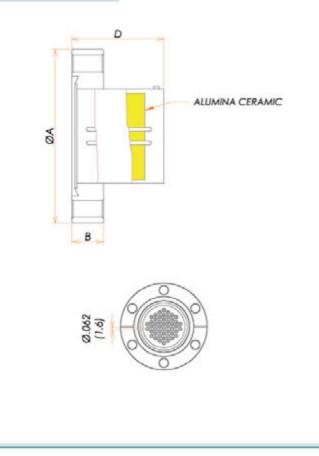
Temperature range will be changed	depends on the connection.
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NW / KF Flange





ConFlat® Flange



NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
48	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB481	10123

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
48	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB481	10044

Accessories

Description	REFERENCE	PART NUMBER
48 Pin Vacuum Side PEEK® Insulator (250 ℃ MAX.)	VSPI48	10168
48 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI48	10161
.062 Socket Contact Vacuum Side	SVC16	10147 10142 10014
.062 Socket Contact Air Side	SAC16	
48 Pin Air Side Plug	ASP48	
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMOTEC Corporation

Isolator

Part number & Reference Index

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Multipin BURNDY 4 PIN High Current Type

Introduction

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THE NEW VALUE FRONTIER **₡**KYOCERa

Multipin BURNDY 4 PIN High Current Type Multipin



THE NEW VALUE FRONTIER **₡**Kyocera

Dimensions in inches (mm)

N40MB41AL [11153]

Features

Multipin

BURNDY (Bayonet Lock Connector) **High Current Type**

The BURNDY series is for measurement and control use and is rated to 500 V 10 A compatible with the Bayonet Lock type plug. The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". Standard type with 3 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges

Materials

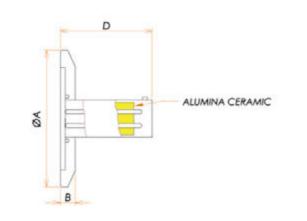
Flange	304 Stainless steel
Shell	Kovar®
Pins	Alumel®
Insulation	Alumina ceramic

Specifications

Туре	Multipin BURNDY
BURNDY	4 PIN
Current: A Per Pins	10
Voltage: V max. DC	500
Max. Current all pins loaded	33.1
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: ℃•	-196 to 300

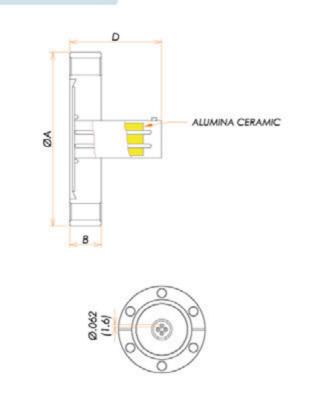
emperature	range	will be	changed	depends	on the	connection.	

NW / KF Flange NW / KF Flange





ConFlat® Flange



No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
4	NW / KF 16	1.18 (30)	.24 (6)	1.48 (37.5)	N16MB41AL	11051
4	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB41AL	11086
4	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB41AL	11153

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
4	CF 1.33	1.33 (34)	.30 (7.5)	1.46 (37)	C34MB41AL	10625
4	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB41AL	12138

Accessories

Description	REFERENCE	PART NUMBER
4 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI4	10167
4 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI4	10160
.062 Socket Contact Vacuum Side	SVC16	10147
.062 Socket Contact Air Side	SAC16	10142
4 Pin Air Side Plug	ASP4	10013
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMOTEC Corporation

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2.2

Multiple BURNDY 4 PIN High Current Type

Multipin BURNDY 4 PIN High Current Type

Multipin BURNDY 8 PIN High Current Type

Introduction

Coaxial

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Multipin BURNDY 8 PIN High Current Type Multipin



THE NEW VALUE FRONTIER **₡**Kyocera

Dimensions in inches (mm)

N40MB81AL [11156]

Features

BURNDY (Bayonet Lock Connector) **High Current Type**

The BURNDY series is for measurement and control use and is rated to 500 V 10 A compatible with the Bayonet Lock type plug. The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". Standard type with 3 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

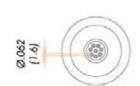
Materials

Flange	304 Stainless steel
Shell	Kovar®
Pins	Alumel®
Insulation	Alumina ceramic

Specifications

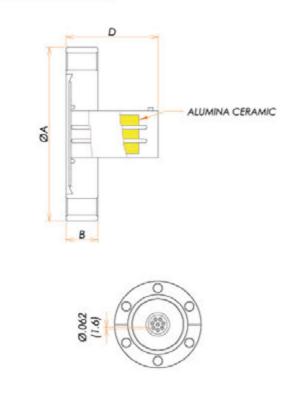
Туре	Multipin BURNDY
BURNDY	8 PIN
Current: A Per Pins	10
Voltage: V max. DC	500
Max. Current all pins loaded	48.0
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: *C+	-196 to 300

	D	
þ	п	ALUMINA CERAMIC



ConFlat® Flange

NW / KF Flange



NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
8	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB81AL	11087
8	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB81AL	11156

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
8	CF 1.33	1.33 (34)	.30 (7.5)	1.91 (48.5)	C34MB81AL	10626
8	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB81AL	12139

Accessories

Description	REFERENCE	PART NUMBER
8 Pin Vacuum Side PEEK® Insulator (250 ℃ MAX.)	VSPI8	10169
8 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI8	10162
.062 Socket Contact Vacuum Side	SVC16	10147
.062 Socket Contact Air Side	SAC16	10142
8 Pin Air Side Plug	ASP8	10016
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMOTEC Corporation

*Temperature range will be changed depends on the connection.

2.2

Trademarks

Multiplin BURNDY 12 PIN High Current Type

Multipin

Multipin BURNDY 12 PIN High Current Type

Introduction

Coaxial

Dimensions in inches (mm)

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Multipin BURNDY 12 PIN High Current Type Multipin



THE NEW VALUE FRONTIER **₡**KYOCERa

NW / KF Flange ALUMINA CERAMIC

ALUMINA CERAMIC

ConFlat® Flange

N40MB121AL [11144]

Features

BURNDY (Bayonet Lock Connector) **High Current Type**

The BURNDY series is for measurement and control use and is rated to 500 V 10 A compatible with the Bayonet Lock type plug. The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". Standard type with 3 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges

Materials

Flange	304 Stainless steel		
Shell	Kovar®		
Pins	Alumel®		
Insulation	Alumina ceramic		

Specifications

Туре	Multipin BURNDY
BURNDY	12 PIN
Current: A Per Pins	10
Voltage: V max. DC	500
Max. Current all pins loaded	44.5
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: °C+	-196 to 300

Temperature	range will be	changed	depends or	n the	connection.

NW / KF Flange

Multipin

Multipin BURNDY 12 PIN High Current Type

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
12	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB121AL	11084
12	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB121AL	11144

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
12	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB121AL	10699

Accessories

Description	REFERENCE	PART NUMBER
12 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI12	10163
12 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI12	10157
062 Socket Contact Vacuum Side	SVC16	10147
062 Socket Contact Air Side	SAC16	10142
12 Pin Air Side Plug	ASP12	10005
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

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www.feedthrough.net

Multiplin BURNDY 19 PIN High Current Type

Multipin

Multipin BURNDY 19 PIN High Current Type

Introduction

Coaxial

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Dimensions in inches (mm)

Features

N40MB191AL [12143]

BURNDY (Bayonet Lock Connector) **High Current Type**

The BURNDY series is for measurement and control use and is rated to 500 V 10 A compatible with the Bayonet Lock type plug. The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". Standard type with 3 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials

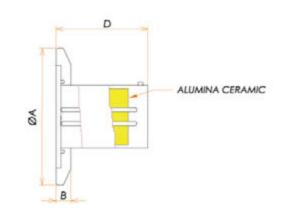
Flange	304 Stainless steel		
Shell	Kovar®		
Pins	Alumel®		
Insulation	Alumina ceramic		

Specifications

Туре	Multipin BURNDY
BURNDY	19 PIN
Current: A Per Pins	10
Voltage: V max. DC	500
Max. Current all pins loaded	38.0
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: ℃•	-196 to 300

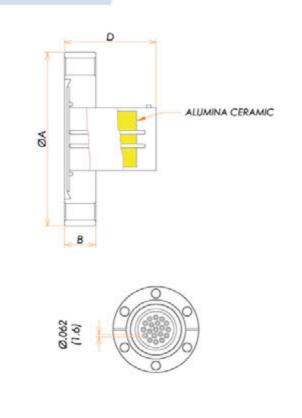
Temperature	range will be	changed	depends	on the	connection.
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NW / KF Flange





ConFlat® Flange



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NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
19	NW / KF 25	1.57 (40)	.24 (6)	1.48 (37.5)	N25MB191AL	11085
19	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB191AL	12143

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
19	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB191AL	12140

Accessories

Description	REFERENCE	PART NUMBER
19 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI19	10164
19 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI19	10158
.062 Socket Contact Vacuum Side	SVC16	10147
.062 Socket Contact Air Side	SAC16	10142
19 Pin Air Side Plug	ASP19	10007
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

COSMO

Dimensions in inches (mm)

Multipin BURNDY 22 PIN High Current Type

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Multiplin BURNDY 22 PIN High Current Type Multipin

Multipin BURNDY 22 PIN High Current Type

Introduction

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Features

C70MB221AL [10701]

BURNDY (Bayonet Lock Connector) **High Current Type**

The BURNDY series is for measurement and control use and is rated to 500 V 10 A compatible with the Bayonet Lock type plug. The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". Standard type with 3 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges

Materials

Flange	304 Stainless steel
Shell	Kovar®
Pins	Alumel®
Insulation	Alumina ceramic

Specifications

Туре	Multipin BURNDY
BURNDY	22 PIN
Current: A Per Pins	10
Voltage: V max. DC	500
Max. Current all pins loaded	44.0
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max.
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: *C+	-196 to 300

Temperature	range w	ill be	changed	depends	on	the	connection.

NW / KF Flange ALUMINA CERAMIC

ConFlat® Flange ALUMINA CERAMIC

NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
22	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB221AL	11147

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
22	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB221AL	10701

Accessories

Description	REFERENCE	PART NUMBER	
22 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI22	10165	
22 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI22	10159	
.062 Socket Contact Vacuum Side	SVC16	10147	
.062 Socket Contact Air Side	SAC16	10142	
22 Pin Air Side Plug	ASP22	10009	
Removal Tool	PT16	10138	
Crimp Tool (AWG #23 to #13)	CT2313	10052	

For more details, see Section 6.2

COSMO

Multipin BURNDY 30 PIN High Current Type

Multipin BURNDY 30 PIN High Current Type

Introduction

Dimensions in inches (mm)

Multipin BURNDY 30 PIN High Current Type

Multipin

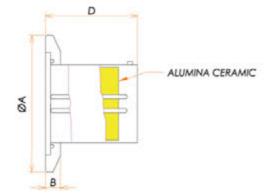
Introduction

Multipin BURNDY 30 PIN High Current Type Multipin



THE NEW VALUE FRONTIER **₡**KYOCERa

NW / KF Flange





Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs,

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges

BURNDY (Bayonet Lock Connector)

The BURNDY series is offered from 4 pin to 48 pin.

The BURNDY series is for measurement and control use and is rated to 500 V 10 A compatible with the Bayonet Lock type plug.

Because the BURNDY series is more compact than the MIL - C - 5015

series, 48 pin can be welded to NW / KF 40 and ConFlat® 2.75".

Select flange size and type from NW / KF, ConFlat®, ISO-K,

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C70MB301AL [12141]

Features

High Current Type

Standard type with 3 A is available.

removal tools, and crimp tools.

Flange	304 Stainless steel
Shell	Kovar®
Pins	Alumel®
Insulation	Alumina ceramic

Specifications

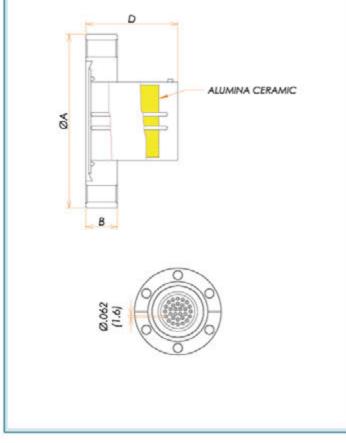
Туре	Multipin BURNDY		
BURNDY	30 PIN		
Current: A Per Pins	10		
Voltage: V max. DC	500		
Max. Current all pins loaded	60.0		
Insulation: ohm min.	10 ⁹		
Frequency: MHz	DC or AC 10 (10 MHz)max.		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: ℃•	-196 to 300		

emperature range will be ch	anged depends on the connection.
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COSMOTEC Corporation



ConFlat® Flange



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NW / KF Flange

Multipin

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
30	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB301AL	11151

Multipin BURNDY 30 PIN High Current Type

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
30	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB301AL	12141

Accessories

Description	REFERENCE	PART NUMBER	
30 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI30	10166	
.062 Socket Contact Vacuum Side	SVC16	10147	
.062 Socket Contact Air Side	SAC16	10142	
30 Pin Air Side Plug	ASP30	10011	
Removal Tool	PT16	10138	
Crimp Tool (AWG #23 to #13)	CT2313	10052	

For more details, see Section 6.2

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COSMOTEC Corporation

Multiplin BURNDY 48 PIN High Current Type

Multipin

Multipin BURNDY

48 PIN High Current Type

Introduction

Coaxial

Multipin

Dimensions in inches (mm)

Multipin BURNDY 48 PIN High Current Type

BURNDY (Bayonet Lock Connector) **High Current Type**

The BURNDY series is for measurement and control use and is rated to 500 V 10 A compatible with the Bayonet Lock type plug. The BURNDY series is offered from 4 pin to 48 pin.

Because the BURNDY series is more compact than the MIL - C - 5015 series, 48 pin can be welded to NW / KF 40 and ConFlat® 2.75". Standard type with 3 A is available.

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side insulators (PEEK® and CERAMICS), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials

Flange	304 Stainless steel		
Shell	Kovar®		
Pins	Alumel®		
Insulation	Alumina ceramic		

Specifications

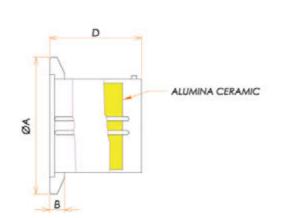
Туре	Multipin BURNDY		
BURNDY	48 PIN		
Current: A Per Pins	10		
Voltage: V max. DC	500		
Max. Current all pins loaded	96.0		
Insulation: ohm min.	10°		
Frequency: MHz	DC or AC 10 (10 MHz)max.		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: ℃•	-196 to 300		



NW / KF Flange

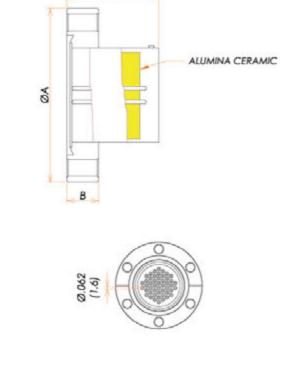
THE NEW VALUE FRONTIER

₡KYOCERa





ConFlat® Flange



NW / KF Flange

Multipin

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
48	NW / KF 40	2.16 (55)	.24 (6)	1.48 (37.5)	N40MB481AL	11154

Multipin BURNDY 48 PIN High Current Type

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
48	CF 2.75	2.75 (70)	.50 (12.7)	1.46 (37)	C70MB481AL	12142

Accessories

escription	REFERENCE	PART NUMBER	
8 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI48	10168	
8 Pin Vacuum Side Alumina Insulator (300 °C MAX.)	VSAI48	10161	
62 Socket Contact Vacuum Side	SVC16	10147 10142	
62 Socket Contact Air Side	SAC16		
8 Pin Air Side Plug	ASP48	10014	
emoval Tool	PT16	10138	
rimp Tool (AWG #23 to #13)	CT2313	10052	

For more details, see Section 6.2

Multipin BURNDY 48 PIN High Current Type

Multipin BURNDY 48 PIN High Current Type

Introduction

Trademarks

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MIL-C-5015

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PN

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ALUMINA CERAMIC

.875-20UNEF

ALUMINA CERAMIC

.875-20UNEF

NW / KF Flange

ConFlat® Flange



MIL-C-

5015

0

PZ

MIL-C-5015

0

PN

Dimensions in inches (mm)

NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
6	NW / KF 16	1.18 (30)	.24 (6)	1.57 (40)	N16MM61	10209
6 NW / KF 25	5 ANN / KE 40 2.16 24	1.28 (32.5)	N25MM61	10108		
6		2.16 (55)	.24 (6)	1.28 (32.57)	N40MM61	10440

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
6	CF 1.33	1.33 (34)	.30 (7.5)	1.70 (43)	C34MM61	10029
6	CF 2.75	2.75 (70)	.50 (12.7)	1.26 (32)	C70MM61	10048

Accessories

Description	REFERENCE	PART NUMBER
MS 6 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI6MS	10220
.062 Socket Contact Vacuum Side	SVC16	10147
MS 6 Pin Air Side Plug	ASP6MS	10015
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

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Features

C70MM61 [10048]

■ MIL-C-5015

MIL-C-5015 6 PIN

Multipin

The MIL - C - 5015 series is for measurement and control use and is rated to 500 V 3 A, compatible with the MIL - C - 5015 plug. The MS series is offered from 4 pin to 48 pin.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK®), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials

Flange	304 Stainless steel		
Shell	Kovar®		
Pins	Kovar®		
Insulation	Alumina ceramic		

Specifications

Туре	Multipin MS		
MIL-C-5015	6 PIN		
Current: A Per Pins	3		
Voltage: V max. DC	500		
Max. Current all pins loaded	12.8		
Insulation: ohm min.	10 ⁹		
Frequency: MHz	DC or AC 10 (10 MHz)max		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: "C+	-196 to 300		

*Temperature range will be changed depends on the connection.

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Isolator

Part number & Reference Index

10 PIN

Multipin

MIL-C-5015

10

PIN

Introduction

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Trademarks

THE NEW VALUE FRONTIER **₡**KYOCERa

MIL-C-5015 10 PIN Multipin



THE NEW VALUE FRONTIER **₡**Kyocera

Dimensions in inches (mm)

MIL-C-5015 10 PIN

Multipin

Features

C70MM101 [10176]

■ MIL-C-5015

The MIL - C - 5015 series is for measurement and control use and is rated to 500 V 3 A, compatible with the MIL - C - 5015 plug. The MS series is offered from 4 pin to 48 pin.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK®), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials 304 Stainless steel

Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

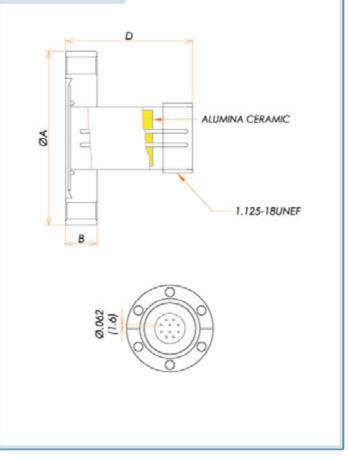
Туре	Multipin MS	
MIL-C-5015	10 PIN	
Current: A Per Pins	3	
Voltage: V max. DC	500	
Max. Current all pins loaded	14.5	
Insulation: ohm min.	10 ⁹	
Frequency: MHz	DC or AC 10 (10 MHz)max	
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰	
Temperature Range: "C+	-196 to 300	

Temperature range will be changed depend	is on the connection.
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		1	1.125-18UNEF

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ConFlat® Flange



W/	KF	Flange
_		

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
10	NW / KF 25	1.57 (40)	.24 (6)	2.03 (51.5)	N25MM101	10178
10	NW / KF 40	2.16 (55)	.24 (6)	2.03 (51.5)	N40MM101	10125

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
10	CF 2.75	2.75 (70)	.50 (12.7)	2.01 (51)	C70MM101	10176

Accessories

Description	REFERENCE	PART NUMBER
MS 10 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI10MS	10217
.062 Socket Contact Vacuum Side	SVC16	10147
MS 10 Pin Air Side Plug	ASP10MS	10004
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

Isolator

Part number & Reference Index

MIL-C-5015

PIN

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Part number & Reference Index

NW / KF Flange

ConFlat® Flange

ALUMINA CERAMIC

1.250-18UNEF

ALUMINA CERAMIC

1.250-18UNEF

Dimensions in inches (mm)

C70MM141 [10348]

MIL-C-5015 14 PIN

Multipin

Features

■ MIL-C-5015

The MIL - C - 5015 series is for measurement and control use and is rated to 500 V 3 A, compatible with the MIL - C - 5015 plug. The MS series is offered from 4 pin to 48 pin.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK®), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials

Flange	304 Stainless stee
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

COSMO

Туре	Multipin MS
MIL-C-5015	14 PIN
Current: A Per Pins	3
Voltage: V max. DC	500
Max. Current all pins loaded	10.7
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: "C+	-196 to 300

*Ter	nperature	range	will b	ое	changed	depends	on	the	connection.	
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NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
14	NW / KF 25	1.57 (40)	.24 (6)	2.32 (59.0)	N25MM141	10204
14	NW / KF 40	2.16 (55)	.24 (6)	2.03 (51.5)	N40MM141	10229

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
14	CF 2.75	2.75 (70)	.50 (12.7)	2.01 (51)	C70MM141	10348

Accessories

Description	REFERENCE	PART NUMBER
MS 14 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI14MS	10216
.062 Socket Contact Vacuum Side	SVC16	10147
MS 14 Pin Air Side Plug	ASP14MS	10006
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

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NW / KF Flange

ConFlat® Flange

THE NEW VALUE FRONTIER **₡**KYOCERa

ALUMINA CERAMIC

1.375-18UNEF

ALUMINA CERAMIC

1.375-18UNEF

MIL-C-5015 19 PIN Multipin



THE NEW VALUE FRONTIER **₡**Kyocera

2.3

Dimensions in inches (mm)

NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
19	NW / KF 40	2.16 (55)	.24 (6)	2.03 (51.5)	N40MM191	10223

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
19	CF 2.75	2.75 (70)	.50 (12.7)	2.01 (51)	C70MM191	10046

Accessories

Description	REFERENCE	PART NUMBER
MS 19 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI19MS	10222
.062 Socket Contact Vacuum Side	SVC16	10147
MS 19 Pin Air Side Plug	ASP19MS	10008
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2



MIL-C-5015 19 PIN

Multipin

Features

■ MIL-C-5015

N40MM191 [10223]

The MIL - C - 5015 series is for measurement and control use and is rated to 500 V 3 A, compatible with the MIL - C - 5015 plug. The MS series is offered from 4 pin to 48 pin.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK®), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

Туре	Multipin MS		
MIL-C-5015	19 PIN		
Current: A Per Pins	3		
Voltage: V max. DC	500		
Max. Current all pins loaded	11.4		
Insulation: ohm min.	10 ⁹		
Frequency: MHz	DC or AC 10 (10 MHz)max		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: "C+	-196 to 300		

*Temperature range will be changed depends on the connection.

COSMO

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MIL-C ī

5015 19 PIN

MIL-C-5015

Isolator

Technical Data Part number & Reference Index

MIL-C-5015

24 PIN

Multipin

MIL-C-5015

24

PIN

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Coaxial

Dimensions in inches (mm)

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Trademarks

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Features

MIL-C-5015 24 PIN

Multipin

■ MIL-C-5015

The MIL - C - 5015 series is for measurement and control use and is rated to 500 V 3 A, compatible with the MIL - C - 5015 plug. The MS series is offered from 4 pin to 48 pin.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK®), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials

Insulation	Alumina ceramic
Pins	Kovar®
Shell	Kovar®
Flange	304 Stainless steel

Specifications

Туре	Multipin MS		
MIL-C-5015	24 PIN		
Current: A Per Pins	3		
Voltage: V max. DC	500		
Max. Current all pins loaded	14.4		
Insulation: ohm min.	10 ⁹		
Frequency: MHz	DC or AC 10 (10 MHz)max		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: "C+	-196 to 300		

1	emperature	range	will be	changed	depends	on t	the	connection.	

NW / KF Flange ALUMINA CERAMIC

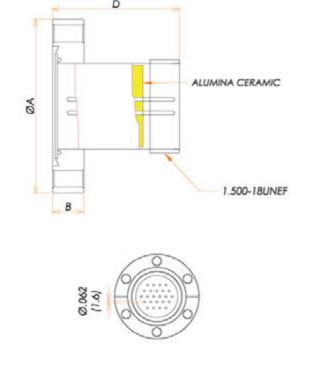
THE NEW VALUE FRONTIER

₡KYOCERa

1.500-18UNEF



ConFlat® Flange



NW / KF Flange

Multipin

MIL-C-5015 24 PIN

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
24	NW / KF 40	2.16 (55)	.24 (6)	2.03 (51.5)	N40MM241	10126

ConFlat® Flange

No. of Pins	INSTALLATION	Α	В	D	REFERENCE	PART NUMBER
24	CF 2.75	2.75 (70)	.50 (12.7)	2.01 (51)	C70MM241	10047

Accessories

Description	REFERENCE	PART NUMBER
MS 24 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI24MS	10219
.062 Socket Contact Vacuum Side	SVC16	10147
MS 24 Pin Air Side Plug	ASP24MS	10010
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

Isolator

Technical Data

www.feedthrough.net

MIL-C-5015 37 PIN

Multipin

Multipin

MIL-C-5015

37

PIN

Introduction

Coaxial

The MIL - C - 5015 series is for measurement and control use and

Select flange size and type from NW / KF, ConFlat®, ISO-K,

Accessories are available, including vacuum side insulators (PEEK®), socket contacts, air side plugs, removal tools, and

is rated to 500 V 3 A, compatible with the MIL - C - 5015 plug.

The MS series is offered from 4 pin to 48 pin.

N40MM371 [10127]

Features

■ MIL-C-5015

ISO-F and ASA.

crimp tools.

Flange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

Туре	Multipin MS		
MIL-C-5015	37 PIN		
Current: A Per Pins	3		
Voltage: V max. DC	500		
Max. Current all pins loaded	22.2		
Insulation: ohm min.	10 ⁹		
Frequency: MHz	DC or AC 10 (10 MHz)max		
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰		
Temperature Range: "C+	-196 to 300		

*Temperature range will be changed depends on the connection.

ALUMINA CERAMIC

1.750-18UNS

ALUMINA CERAMIC

1.750-18UNS

NW / KF Flange

OA

ConFlat® Flange

NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
37	NW / KF 40	2.16 (55)	.24 (6)	2.03 (51.5)	N40MM371	10127

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
37	CF 2.75	2.75 (70)	.50 (12.7)	2.01 (51)	C70MM371	10346

Accessories

Description	REFERENCE	PART NUMBER
MS 37 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI37MS	10218
.062 Socket Contact Vacuum Side	SVC16	10147
MS 37 Pin Air Side Plug	ASP37MS	10012
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

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COSMOTEC Corporation

MIL-C-

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5015 37 PIN

MIL-C-5015

PIN

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Technical Data

MIL-C-5015

48 PIN

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PZ

MIL-C-5015

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PIN

Coaxial

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ALUMINA CERAMIC

2.250-16UNS

ALUMINA CERAMIC

2.250-16UNS

ConFlat® Flange

ISO-K Flange

(5)

Dimensions in inches (mm)

C70MM141 [10348]

MIL-C-5015 48 PIN

Multipin

Features

■ MIL-C-5015

The MIL - C - 5015 series is for measurement and control use and is rated to 500 V 3 A, compatible with the MIL - C - 5015 plug. The MS series is offered from 4 pin to 48 pin.

Select flange size and type from NW / KF, ConFlat®, ISO-K, ISO-F and ASA.

Accessories are available, including vacuum side insulators (PEEK®), socket contacts, air side plugs, removal tools, and crimp tools.

We also manufacture custom-made products with quick delivery. Select welding position, number of connectors, and size of custom-made flanges.

Materials

riange	304 Stainless steel
Shell	Kovar®
Pins	Kovar®
Insulation	Alumina ceramic

Specifications

Туре	Multipin MS
MIL-C-5015	48 PIN
Current: A Per Pins	3
Voltage: V max. DC	500
Max. Current all pins loaded	28.8
Insulation: ohm min.	10 ⁹
Frequency: MHz	DC or AC 10 (10 MHz)max
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: "C+	-196 to 300

Temperature	range wi	ll be	changed	depends	on	the	connection.	
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ConFlat® Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
48	CF 4.50	4.50 (114)	.69 (17.5)	2.01 (51)	C114MM481	10488

ISO-K Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
48	ISO-K 63	3.74 (95)	.472 (12)	1.93 (49)	I63MM481	12317

Accessories

Description	REFERENCE	PART NUMBER
MS 48 Pin Vacuum Side PEEK® Insulator (250 °C MAX.)	VSPI48MS	10221
.062 Socket Contact Vacuum Side	SVC16	10147
MS 48 Pin Air Side Plug	ASP48MS	10189
Removal Tool	PT16	10138
Crimp Tool (AWG #23 to #13)	CT2313	10052

For more details, see Section 6.2

Technical Data Part number & Reference Index

COSMO **COSMOTEC Corporation**

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Isolator

MIL-C-24308

Subminiature-D

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MIL-C-24308 Subminiature-D

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Custom-made products



ALUMINA CERAMIC

ALUMINA CERAMIC

(39.7)

15 Pin

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2.1 (53.4)

25 Pin

NW / KF Flange

ConFlat® Flange

ISO-K Flange

PIN

1.24



MIL-C-24308 Subminiature-D Multipin



THE NEW VALUE FRONTIER **₡**K90cera

Dimensions in inches (mm)

C70MD91 [11566]

Features

Subminiature-D

The Subminiature-D series is for measurement and control use and is rated to 300 V 3 A, compatible with MIL-C-24308 plugs. The Subminiature-D series is offered in 9 pin, 15 pin, and 25 pin. We also manufacture the Micro-D series compatible with

Accessories are available, including vacuum side insulating inserts (PEEK®), vacuum side socket contacts, in-vacuum cable assemblies, air side plugs and crimp tools. We also manufacture custom-made products with quick

Select welding position, number of connectors, and size of custom-made flanges.

Materials

Flange	304 Stainless steel		
Shell	Kovar®		
Pins	Kovar®		
Insulation	Alumina ceramic		

Specifications

COSMO

Туре	MIL-C-24308
Connector	Subminiature-D
Current: A Per Pins	3
Voltage: V max. DC	300
Leak rate: 1.3×Pa · m³/s	10 ⁻¹⁰
Temperature Range: ℃•	-196 to 300

*Temperature range will be changed depends on the connection.

NW / KF Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
9	NW / KF 40	2.16 (55)	.24 (6)	.96 (24.5)	N40MD91	11581
15	NW / KF 50	2.96 (75)	.24 (6)	.96 (24.5)	N50MD151	11582

ConFlat® Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
9	CF 2.75	2.75 (70)	.50 (12.7)	.95 (24)	C70MD91	11566
15	CF 4.50	4.50 (114)	.69 (17.5)	.95 (24)	C114MD151	11567
25	CF 4.50	4.50 (114)	.69 (17.5)	.95 (24)	C114MD251	11568

ISO-K Flange

No. of Pins	INSTALLATION	A	В	D	REFERENCE	PART NUMBER
25	ISO - K 63	3.74 (95)	.472 (12)	.87 (22)	I63MD251	12320

Accessories

Description	REFERENCE	PART NUMBER
	VCA500MD9P/X	12161
	VCA1000MD9P/X	12163
Kapton® Cable Assembly with Socket Contacts in Type-D	VCA500MD15P/X	12165
In-Vacuum PEEK® Insulator	VCA1000MD15P/X	12167
	VCA500MD25P/X	12270
	VCA1000MD25P/X	12271
	VCA500MD9D/X	12169
	VCA1000MD9D/X	12171
Teflon® Cable Assembly with Socket Contacts in Type-D	VCA500MD15D/X	12173
In-Vacuum Stainless Steel/DTC Insulator	VCA1000MD15D/X	12175
	VCA500MD25D/X	12272
	VCA1000MD25D/X	12273
	ASP9D	11816
Air Side Plug	ASP15D	11831
	ASP25D	11931
.04 Socket Contact Vacuum Side	SVC10	10499

For more details, see Section 6.2

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COSMO