

## Sub-miniature D type Feedthroughs on KF and ISO-K Flanges, 9 to 50 Pin

- Versions mounted on KF and ISO-K flanges
- Special types available:
  - 9 pins on a 25KF flange
  - 25 pins on 50KF

(For these versions vacuum side connectors without the mounting screws are required (see page 1.8, standard air side connectors will fit.)



### General Specifications Sub-Miniature D

|               |                                    |
|---------------|------------------------------------|
| Compliance    | DIN 41652, MIL-C-24308             |
| Pin-ø         | 1.0 mm                             |
| Pin material  | Gold plated NiFe                   |
| Seal          | Glass Ceramic                      |
| Flange        | Stainless Steel                    |
| Test Voltage  | 500V DC                            |
| Max. Current  | 5A per pin                         |
| Cont. Current | 3A per pin, all pins loaded        |
| Temp.         | -40°C to 200°C (limited by flange) |
| Leak rate     | <1x10 <sup>-9</sup> mbar-l/s He    |

### Sub-D Feedthroughs on KF Flanges 500V, up to 5 Amps per Pin

| SIZE     | NO. OF PINS | PART NUMBER    |
|----------|-------------|----------------|
| 25KF     | 9*          | 210-D09-K25    |
| 40KF     | 9           | 210-D09-K40    |
| 40KF     | 15**        | 210-D15-K40    |
| 50KF     | 15          | 210-D15-K50    |
| 50KF     | 25*         | 210-D25-K50    |
| 63ISO-K  | 25          | 210-D25-ISO63  |
| 63ISO-K  | 50**        | 210-D50-ISO63  |
| 100ISO-K | 37          | 210-D37-ISO100 |
| 100ISO-K | 50          | 210-D50-ISO100 |

\* uses small "SX"-type socket connector - page 1.16

\*\* uses small "S"-type socket connector - page 1.16



Components of a complete system:

- feedthrough 210-D15-K40
- connector 211-FS15-HV
- pins 212-PINF
- housing with strain relief 211-HSG-D15-SR
- ribbon cable 311-KAPM-035-RIB15



Special compact version:  
9 pins on a KF25 flange  
(210-D09-K25)

This type requires the "SX"  
connector on the vacuum  
side (211-FS09-SX) - see page  
1.16

Allectra offers flanges with multiple feedthroughs. Not all possible combinations can be listed here. Please ask for a quote.

Various types of feedthroughs can be mixed on one flange. The picture on the right shows a custom made arrangement on a right angular, O-ring sealed flange.

## Multiple Sub-D Feedthroughs on KF/ ISO-K and custom Flanges, 9 to 50 Pin

Standard combination flanges with 2 or 3 feedthroughs are available on short delivery or even ex stock. More complex combinations are done in our own workshop according your requirements.

### General Specifications Sub-Miniature D

|               |                                    |
|---------------|------------------------------------|
| Compliance    | DIN 41652, MIL-C-24308             |
| Pin-ø         | 1.0 mm                             |
| Pin material  | Gold plated NiFe                   |
| Seal          | Glass Ceramic                      |
| Flange        | Stainless Steel                    |
| Test Voltage  | 500V DC                            |
| Max. Current  | 5A per pin                         |
| Cont. Current | 3A per pin, all pins loaded        |
| Temp.         | -40°C to 200°C (limited by flange) |
| Leak rate     | <1x10 <sup>-9</sup> mbar-l/s He    |

### Multiple Sub-D F/T's on KF Flanges 500V, up to 5 Amps per Pin

| SIZE | NO. OF PINS | PART NUMBER    |
|------|-------------|----------------|
| 50KF | 2x9         | 210-D09-K50-2  |
| 50KF | 2x15        | 210-D15-K50-2  |
| 63KF | 3x15        | 210S-D15/3-K63 |

Please note: KF63 flanges are similar to the other KF flanges and use a chain clamp for closing. For more details, please contact our offices.

### Multiple Sub-D F/T's on ISO-K Flanges 500V, up to 5 Amps per Pin

| SIZE     | NO. OF PINS | PART NUMBER      |
|----------|-------------|------------------|
| 63ISO-K  | 2x9         | 210-D09-ISO63-2  |
| 63ISO-K  | 2x15        | 210-D15-ISO63-2  |
| 63ISO-K  | 2x25        | 210-D25-ISO63-2  |
| 100ISO-K | 2x37        | 210-D37-ISO100-2 |
| 100ISO-K | 2x50        | 210-D50-ISO100-2 |
| 63ISO-K  | 3x9         | 210-D09-ISO63-3  |
| 63ISO-K  | 3x15        | 210-D15-ISO63-3  |
| 100ISO-K | 3x25        | 210-D25-ISO100-3 |

For other combinations, please ask for a quote

Some examples of special assemblies. Please note, that on special assemblies, also the high current versions or the High Density versions can be used!

