

UHV Compact Feedthroughs

- Bakeable to 350 °C
- Stainless steel housing, ceramic insulator and gold plated Kovar[®] pins^{*)}
- 5 pin and 10 pin version
- Leak rate < 10⁻⁹ mbar l/s
- Vacuum and air side Standard-MINI-SNAP-connector, strain-relieved:
 - Atmosphere side connector: brass (nickel plated), operating temperature from -40 °C to 120 °C
 - Vacuum side connector: stainless steel, bakeable up to 240 °C

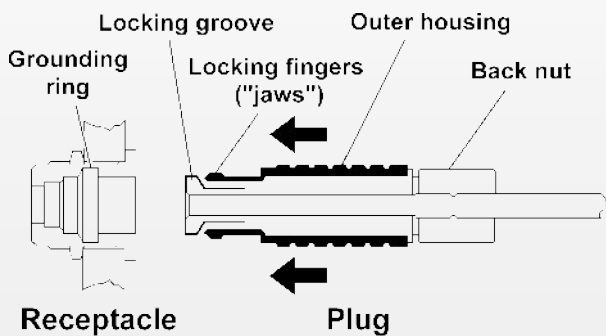


Both types of feedthroughs are also available welded into flanges.

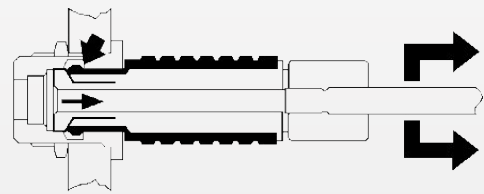
	5 pin version	10 pin version
Current load	10 A (max. 7.5 A when load on all pins)	5 A (max. 2.75 A when load on all pins)
Electrical strength	1000 V	700 V
Length	26.2 mm	26.2 mm
Diameter	12.0 mm	12.0 mm

*) molybdenum pins on request

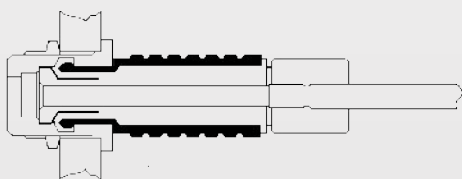
Principle of interlock



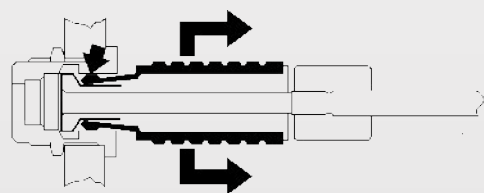
1.
ODU-MINI-SNAP connector in **unmated** condition.



3.
Pulling on the cable or on the back nut causes the "jaws" to grip harder into the groove in the receptacle. A separation is virtually impossible.



2.
ODU-MINI-SNAP connector in **mated** condition.



4.
Pulling on the outer plug housing disengages the "jaws" from the receptacle groove and the connector separates easily.

Order data feedthroughs

Order Code	Description
VB-1B-05	UHV Compact Feedthrough, 5 pin version
VB-1B-10	UHV Compact Feedthrough, 10 pin version
KF**-VB-1B-05	UHV Compact Feedthrough, 5 pin version, in KF flange
KF**-VB-1B-10	UHV Compact Feedthrough, 10 pin version, in KF flange
CF**-VB-1B-05	UHV Compact Feedthrough, 5 pin version, in CF flange
CF**-VB-1B-10	UHV Compact Feedthrough, 10 pin version, in CF flange

** Please specify the required flange size (e. G. "25" for KF flange DN25)

Order data connectors

Order Code	Description
PLUG-MINI-05-V	MINI-SNAP plug, 5 pin version, stainless steel, vacuum and air side
PLUG-MINI-10-V	MINI-SNAP plug, 10 pin version, stainless steel, vacuum and air side
PLUG-MINI-05-A	MINI-SNAP plug, 5 pin version, brass nickel plated, air side
PLUG-MINI-10-A	MINI-SNAP plug, 10 pin version, brass nickel plated, air side
PLUG-MINI-05-P	Pin insert, 5 pin version, PEEK with CuBe pins, vacuum and air side
PLUG-MINI-10-P	Pin insert, 10 pin version, PEEK with CuBe pins, vacuum and air side

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