

Vacuum Feedthroughs

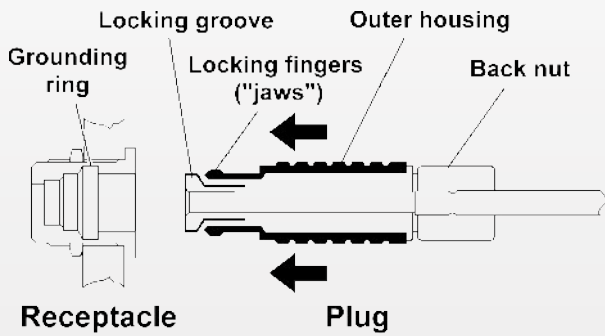
- For base-plate mounting, with FPM sealing
- Bakeable to 80 °C
- Housing made of copper alloy with matt chrome coating
- PEEK insulator material, with contact pins made of gold-coated copper alloy
- Vacuum range up to 10⁻⁵ mbar
- 5 pin and 10 pin version
- Leak rate < 10⁻⁹ mbar l/s
- Standard-MINI-SNAP-plug made of brass (nickel-plated), strain-relieved, air side, operation temperature from -40 °C to 80 °C
- Soldering cups made of copper alloy, vacuum side



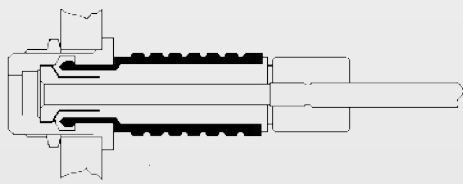
	5 pin version	10 pin version
Current load	10 A (max. 7.5 A when load on all pins)	5 A (max. 2.75 A when load on all pins)
Electrical strength	1000 V	700 V
Diameter	0.9 mm	0.5 mm
Junction width	0.38 mm ²	0.08 mm ²

Both types of feedthroughs are also available welded in KF flanges and leak tested.

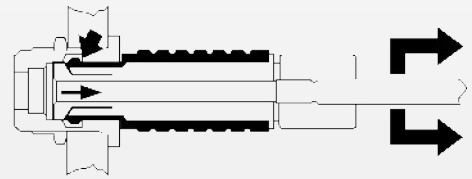
Principle of interlock



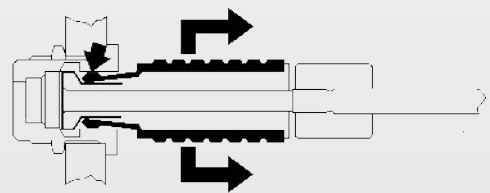
1. ODU-MINI-SNAP connector in **unmated** condition.



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



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

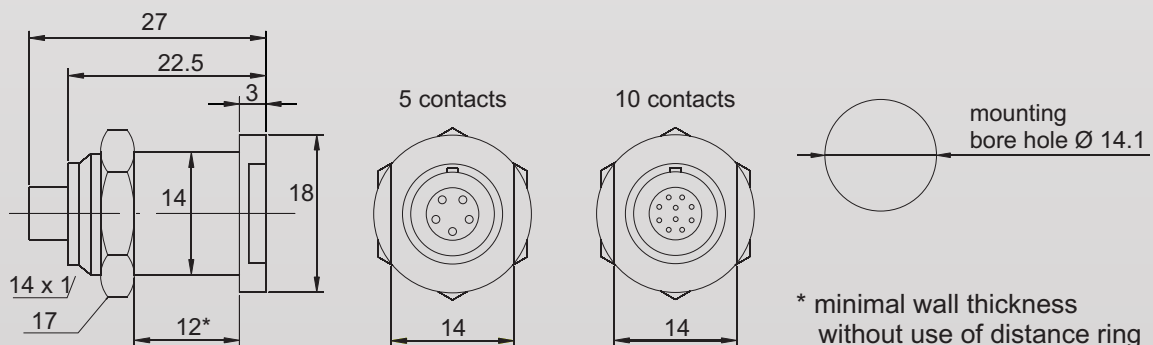
Order data feedthroughs

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

** Please specify the required flange size (e. g. "25" for KF flange DN25), smallest flange DN25KF.

Order data connectors

Order Code	Description
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-CBL	Pin insert, 5 pin version, PEEK with CuBe soldering pins, air side
PLUG-MINI-10-P-CBL	Pin insert, 10 pin version, PEEK with CuBe soldering pins, air side



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