

Circular Miniature Feedthroughs 220-CM12-C16 and 220-CM19-C16

Allectra offers two types of feedthroughs which allow a high density of contacts over a small space. 12 and 19 pin versions are available on a DN16CF Flange.

The air-side connector is screwed onto the feedthrough. Optional metal housing, which includes strain relief, gives a complete shielding. A PEEK connector with crimp-pins is used on the vacuum side. Pins can also be soldered.



General Specifications

	CM12	CM19
System-Standard	IEC60130-9	
Part. Number of Feedthrough	220-CM12-C16	220-CM19-C16
Number of contacts	12	19
Pin-Diameter	1mm	1mm
Voltage Rating (Test value)	500 V DC	500 V DC
Design voltage	60V	60V
Max. Current (at room temp.)	3A	3A
Contacts	Gold plated	Gold plated
Leak rate	<math> < 5 \times 10^{-10} </math> mbar l/s	
Temperature Range of Feedthrough (including vacuum-side plug)	-40°C ... 220°C	
Temp. Range air-side Plug	-25°C ... 70°C	



Complete System: Air side connector, feedthrough, vacuum side connector with metal housing and strain relief shown with a shielded in-vacuum cable

These feedthroughs are available on CF16 and KF25 flanges and their larger variants, as well as ISO-K and custom flanges. Weldable versions with 21.2mm \varnothing are also available. CM feedthroughs can be mounted in conjunction with other types (Coaxial, High Voltage etc.)