

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

Allectra offers two new types of feedthroughs, which allow a high density of contacts on a small space. Based on the size of so-called DIN Connectors, we offer 12 and 19 pin versions on a DN16CF Flange.

The air side connector is screwed onto the feedthrough, caused by the metal housing a complete shielding is given. On the vacuum side, a PEEK connector with crimp-pins is used. Pins can also be soldered.

An optional housing including strain relief allows also on the vacuum side a full shielding



General Specifications

	CM12	CM19
System-Standard	IEC60130-9	
Art. 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 bigger flanges, as well as on KF (25 and bigger), ISO-K and custom flanges. Weldable versions with 21.2mm \varnothing are available in addition. The feedthrough can also be mounted in conjunction with other types (Coax, High Voltage...)