

## Circular Miniature Feedthroughs with 6 / 12 / 19 pins: 220-CM6-C16, 220-CM12-C16 and 220-CM19-C16

Allectra offers three 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 6, 12 and 19 pin versions on a DN16CF Flange. Larger flanges and combinations are possible as well.



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. The vacuum side housing including strain relief gives also on the vacuum side a full shielding

The 6-pin version uses thicker pins and can be used for a higher current accordingly.

### General Specifications

	CM6	CM12	CM19
System-Standard	IEC60130-9		
Art. Number of Feedthrough	220-CM6-C16	220-CM12-C16	220-CM19-C16
Number of contacts	6	12	19
Pin-Diameter	1.5mm	1.0mm	1.0mm
Voltage rating (Test value)	500V DC	500 V DC	500 V DC
Design voltage	125V	60V	60V
Max. current (at room temp.)	5A	3A	3A
Contacts	Gold plated	Gold plated	Gold plated
Leak rate	<math>5 \times 10^{-10}</math> mbar l/s		
Temperature Range	-40°C ... 220°C Feedthrough including vacuum side plug		
Temp. Range air side plug	-25°C ... 70°C		
Fitting connector (straight/ 90°)	220-CON6-AIR 220-CON6-AIR90	220-CON12-AIR 220-CON12-AIR90	220-CON19-AIR 220-CON19-AIR90

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...)

