

Specification of Sub-D Feedthroughs

manufactured by Allectra

	Standard D-Sub	High Density D-Sub
Lay-out and sizes	according DIN 41652 / MIL-C-24308	
Design	Male pins on air and vacuum side, continuous pins	
Pin Diameter	1mm	0.7mm
Sizes	9 / 15/ 25 / 37 / 50 pins according IEC SC48B proposal	26 / 44 / 78 pins in shell sizes DA, DB, DD
Pin Material	FeNi alloy, gold plated over Nickel alternatively high current FeNi alternatively WCu (non-magn.)	FeNi alloy gold plated over Nickel
Housing	Stainless Steel, weldable	
Test voltage	500VDC (optional 900V)	500VDC
Working voltage	125 VAC	60 VAC
Max. current	Std Pins 2.5A cont / 5A short High current pins: 6A cont. / 10A short	2A cont. / 3A short
Test Resistivity	>1 GOhm (higher on request)	
Typ. contact resistivity	10 mOhm	
Working temperature	-200°C ... +125°C	
Bakeout temperature	max. 230°C, max 25K/min	
Thread sizes	4-40 UNC on air and vacuum side	
Tested Leak rate	<1x 10 ⁻⁹ mbar l/s He for weldables and HV versions <5x10 ⁻¹⁰ mbar l/s He for flanged UHV versions (CF)	