

The multi-pin High voltage connectors of Series MC-plus are an enhanced version of the proven and reliable Series MC. Substantial improvement is an extended and heat resistant PTFE insulation insert. The connection can handle an operating voltage of up to 14kV AC and a current of up to 13A and is suitable for applications with pulsed DC voltages.



The silver- or gold plated brass contacts are available for wire gauges from AWG 22 to AWG 12 (0.14 - 2.5 mm<sup>2</sup>); the terminations can be crimped or soldered. The inlets of connector and receptacle can be interchanged. The housing on cable side is made out of nickel plated brass ensuring reliable protection under harsh conditions. It is also equipped with a sealed gland bushing for shield connection. A 5-pin version is provided by default, 2, 3 and 4 pin versions can be delivered on request.

TECHNICAL SPECIFICATIONS	
operating voltage AC	14 kV
nominal voltage AC	18 kV
conductance	< 5 mOhm
insulation resistance	10 <sup>16</sup> Ohm / cm
type of connection	crimp   or solder
cable diameters	0,14 - 2,5 mm <sup>2</sup> (AWG 22 - AWG 12)
screen connection	sealed gland bushing
material - housing	brass, nickel plated
material - contacts	brass, silver- or gold plated
material - insulation	PTFE (Teflon)
temperature range	-20°C to +105°C

\* nominal voltage

technical subject to change

#### SYSTEMFEATURES

- ▶ up to 14 kV\* AC / 13 A
- ▶ crimp or solder
- ▶ up to max. 5 contacts
- ▶ high mechanical firmness
- ▶ high temperature resistance

Attention: Regarding the operating voltage, some applications require higher safety standards. Please consider carefully when choosing your connection!