



SHV



Nuclear
Technology



Test and
Measurement
Equipment



Medical
Technology

SAFETY BY DESIGN

Discover the „Safe High Voltage“ connectors (SHV)
of our new high voltage connector portfolio.

„Safe High Voltage (SHV)“ connectors are innovative coaxial connections, that offer a crucial safety advantage. The recessed design of the inner conductor compared to the housing avoids direct contact with the voltage carrying part, even when unmated. Your safety is our top priority.

SHV connectors are suitable for applications up to 5 kV DC. The fields of application are in medical technology, in test and measuring equipment and in nuclear technology.



SAFE HIGH VOLTAGE CONNECTOR



Combination of performance and safety

- For applications up to 5kV DC
- Safe handling of high voltages - even when not plugged in
- Mating face according to MIL-STD-348A/314
- More than 500 mating cycles
- Radiation resistant PEEK version
- Cable assemblies available

Technical attributes	SHV Plg str sd/cr G1	SHV Plg str sd/cr G1 PEEK*	SHV Plg str sd/cr G7	SHV Jck str Bkhd sd
Order number	100124678	100124684	100124685	100124685
Assembly instruction	A5405	A5405	A5505	
Cable group	G1 (RG58)	G1 (RG58)	G1 (RG316)	
Frequency	0-300 MHz	0-300 MHz	0-300 MHz	0-300 MHz
Operating voltage	5 kVDC / 3,5 kVRMS	5 kVDC / 3,5 kVRMS	5 kVDC / 3,5 kVRMS	6 kVDC / 3,5 kVRMS
Testing voltage	10 kVDC / 5 kVRMS	10 kVDC / 5 kVRMS	10 kVDC / 5 kVRMS	10 kVDC / 5 kVRMS
Current load capacity	≤ 10 A	≤ 10 A	≤ 10 A	≤ 10 A
Operating temperature	-65 °C / +165 °C	-65 °C / +165 °C	-65 °C / +165 °C	-65 °C / +165 °C
Protection class	IP 64 (IEC 60529)	IP 64 (IEC 60529)	IP 64 (IEC 60529)	
RoHS compliant	2011/65/EU	2011/65/EU	2011/65/EU	2011/65/EU

* radiation resistant connector with polyetheretherketone insulation