

COAXIAL CONNECTOR, SHV, 50 Ohm, Straight cable jack (female)
21_SHV-50-4-1/133_N

Properties

- Suitable for all high voltage applications up to 5 kV DC or 3.5 kV rms
- Used in nuclear instruments or test and measurement equipment
- Voltages are valid for both, the mated and the unmated condition.



Product configuration		
Gender	Standard	
jack	IEC 60498_MIL-STD-348A/314	
Interface and material data		
Piece parts	Material	Plating
Centre contact	Brass	Gold Plating (Nickel underplated)
Outer conductor	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	
Crimp ferrule	Copper	SUCOPLATE (R) Plating
Electrical data		
Impedance	50 Ω	
Interface frequency	0.3 GHz	
Mechanical data		
Weight	0.0183 kg	
Mating cycles	500	
Cable entry centre contact	crimped	
Cable entry outer contact	crimped	
Environmental data		
Operation temperature	-65 °C ... 165 °C	

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Material compliance			
Item number	Directive / Regulation	Rating	Exemptions / Details
22542001	RoHS 2011/65/EU and (EU) 2015/863	Compliant with exemption	6c
	REACH 1907/2006 Article 33 SVHC	Contains one or more SVHC >0,1%	CAS: 7439-92-1 Lead

Ordering Information Table		
Item number	Item description	Packaging type
22542001	21_SHV-50-4-1/133_NE	Single

Suitable cables	
Cable group	X16 - 4 mm / 75 Ohm --- obsolete (integrated in U18) U16 - 4 mm / 75 Ohm
Suitable cables	RG_59_B/U GX_04273

Additional Information	
Remarks	High voltage connector Working voltage (at sea level) 3.5 kV rms, 50Hz (depending on cable)
Only as assembly	No

Suitable tools		
Item number	Item description	Type of tool
22544758	76_Z-0-4-51	Crimping dies
22543189	76_Z-0-4-1	Crimping dies

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