



Datasheet for part number APD-1CS51S

Our Catalog Part Number: APD-1CS51-S
Our Global Manufacturing Part Number: 121583-0095
Brand: Cannon Product Category: Transportation Product Line: Vector/APD/Harness/Others Series: AP / APD / APK

Product Datasheet	
SERIES	APD 51-way
CONNECTOR TYPE	Jam Nut Receptacle
GENDER	Socket
CODING (mechanical keying and visual color coding)	Code 1 - green (RAL 6018)
OPERATING VOLTAGE	48 VDC
OPERATING CURRENT	see derating curve (catalog)
CONTACT RESISTANCE	5 mΩ max
VOLTAGE PROOF	1000 VAC, 60 seconds
INSULATOR RESISTANCE	10 MΩ min.
DURABILITY	40 Mating Cycles
COUPLING TORQUE	4.5 Nm max
STATIC LOAD	250 N axial, 150 N lat. (ISO 15170-2, Sec. 4.5)
DYNAMIC IMPACT	2 J (40mm- ball- drop- test, height 800mm)
TEMPERATURE RANGE	-40 °C up to 125 °C (ISO 15170-2, Sec. 6.4)
HUMIDITY RANGE	up to 95 % r.h. (ISO 15170-2, Sec. 6.4)
SEALING	IP 67 + IP 69k (DIN EN 60529)
SALT SPRAY	96 h, 35 °C (ISO 15170-2, Sec. 6.2)
INDUSTRIAL CLIMATE	SO <sub>2</sub> , 0,67 % (ISO 15170-2, Sec. 6.3)
FLUID COMPATIBILITY	Brakefluid, ATF, fuel, .. (ISO 15170-2, Sec. 6.6)
VIBRATION RESISTANCE	Random, 0,2(m/s <sup>2</sup> )/Hz, 3 x 24h, RT
HOUSING MATERIAL	PBT GF
SEALING MATERIAL	FKM
COUPLING NUT MATERIAL	PA 6 GF
CONTACTS MATERIAL	please order contact separately