



Datasheet for part number APD-59AP-HV

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| Our Catalog Part Number: APD-59AP-HV |
| Our Global Manufacturing Part Number: 121583-0215 |
| Brand: Cannon Product Category: Transportation Product Line: Vector/APD/Harness/Others Series: AP / APD / APK |

| Product Datasheet | |
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| SERIES | APD High Voltage 4-way |
| CONNECTOR TYPE | Flange Receptacle |
| GENDER | Pin |
| CODING (mechanical keying and visual color coding) | Code 5 - orange (RAL 2003) |
| OPERATING VOLTAGE | 500 VDC |
| OPERATING CURRENT | see derating curve (catalog) |
| CONTACT RESISTANCE | 5 mΩ max |
| VOLTAGE PROOF | 3500 VAC, 60 seconds |
| INSULATOR RESISTANCE | 10 MΩ min. |
| DURABILITY | 50 Mating Cycles |
| COUPLING TORQUE | 1,2 Nm max |
| STATIC LOAD, MATED CONNECTOR | 250 N axial, 150 N lat. (ISO 15170-2, Sec. 4.5) |
| STATIC LOAD, FREE CONNECTOR | 350 N (ISO 15170-2, Sec. 4.6) |
| TEMPERATURE RANGE | -40 °C up to 140 °C (ISO 15170-2, Sec. 6.4), 30g |
| HUMIDITY RANGE | up to 95 % r.h. (ISO 15170-2, Sec. 6.4) |
| SEALING | IP 67 (DIN EN 60529) |
| SALT SPRAY | 96 h, 35 °C (ISO 15170-2, Sec. 6.2) |
| INDUSTRIAL CLIMATE | SO ₂ , 0,67 % (ISO 15170-2, Sec. 6.3) |
| FLUID COMPATIBILITY | Brakefluid, ATF, fuel, .. (ISO 15170-2, Sec. 6.6) |
| VIBRATION RESISTANCE | Sine, 300 m/s ² , 3 x 100h, RT and 120°C (ISO 15170-2) |
| HOUSING MATERIAL | PBT GF |
| SEALING MATERIAL | HNBR (alternative FKM) |
| COUPLING NUT MATERIAL | PA 66 GF |
| CONTACTS MATERIAL | please order contact separately |