



## Datasheet for part number APD-1CPH8-2

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|---------------------------------------------------------------------------------------------------------------|
| Our Catalog Part Number: APD-1CPH8-2                                                                          |
| Our Global Manufacturing Part Number: 121583-0027                                                             |
| Brand: Cannon Product Category: Transportation Product Line: Vector/APD/Harness/Others Series: AP / APD / APK |

| Product Datasheet                                  |                                                         |
|----------------------------------------------------|---------------------------------------------------------|
| SERIES                                             | APD High Power 2-way                                    |
| CONNECTOR TYPE                                     | Jam Nut Receptacle                                      |
| GENDER                                             | Pin                                                     |
| CODING (mechanical keying and visual color coding) | Code 1 - black (RAL 9005)                               |
| OPERATING VOLTAGE                                  | 48 VDC                                                  |
| OPERATING CURRENT                                  | see derating curve (catalog)                            |
| CONTACT RESISTANCE                                 | 2 mΩ max                                                |
| VOLTAGE PROOF                                      | 1000 VAC, 60 seconds                                    |
| INSULATOR RESISTANCE                               | 10 MΩ min.                                              |
| DURABILITY                                         | 50 Mating Cycles                                        |
| COUPLING TORQUE                                    | 2 Nm max                                                |
| STATIC LOAD                                        | 350 N (ISO 15170-2, Sec. 4.6)                           |
| 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 (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                               | Sine, 100 m/s <sup>2</sup> , 3 axis, 24h, RT (EN 60512) |
| HOUSING MATERIAL                                   | PBT GF                                                  |
| SEALING MATERIAL                                   | HNBR (alternative FKM)                                  |
| COUPLING NUT MATERIAL                              | PA 66 GF                                                |
| CONTACTS MATERIAL                                  | please order contact separately                         |