



## Datasheet for part number APD-3SS51-S

|                                                                                                               |
|---------------------------------------------------------------------------------------------------------------|
| Our Catalog Part Number: APD-3SS51-S                                                                          |
| Our Global Manufacturing Part Number: 121583-0093                                                             |
| Brand: Cannon Product Category: Transportation Product Line: Vector/APD/Harness/Others Series: AP / APD / APK |

| Product Datasheet                                  |                                                   |
|----------------------------------------------------|---------------------------------------------------|
| SERIES                                             | APD 51-way                                        |
| CONNECTOR TYPE                                     | Snap-In Receptacle                                |
| GENDER                                             | Socket                                            |
| CODING (mechanical keying and visual color coding) | Code 3 - brown (RAL 3009)                         |
| 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                   |