

TTDPV0810 – Sicame IPC for Harness

Insulation piercing connector for connecting a solar string cable to a DC-BUS

Network Application: Solar farm with DC-BUS cabling system

DC-BUS: insulated PV cable Al, acc. UL44 and UL4703

String wire: insulated PV cable Cu, acc. UL44 and UL4703

Used for solar string tapping from DC-BUS cable. Up to 1500V system voltage.



- Body is made of mechanically strong and weather resistant (F1), flame-retardant (V0) insulating material
- Fully sealed by a rubber gusset (IP67)
- Shearbolt technology ensures an optimum tightening torque, suitable for manual or torque wrench installation.
- High electrical performance with low contact resistance
- Strain relief function
- Easy to install and safe to use, IP2X
- Connector for Class II devices
- Galvanised hardware



Physical attributes:

Body Material ___ Polyamid GF, V0, weather resistant (F1)

Temperature Range:

Operation _____ -40°C to +40 °C

Installation _____ 0°C to +40 °C

Electrical Properties:

Ampacity _____ 65 A max

Standards:

UL 486A-486B

UL9703 (with cover)

| Type | DC-BUS conductor Single or double insulated Al, Class 2 | | | String cable, Single or double insulated Cu, Class 5 | | | Shearhead torque, Nm | Shearhead size | Nominal current, A |
|-----------|---|--------------|---------------------------------|--|--------------|---------------------------------|----------------------|----------------|--------------------|
| | Cross-section range | Max diameter | Range of insulation thicknesses | Cross-section range | Max diameter | Range of insulation thicknesses | | | |
| TTDPV0810 | 2/0 – 500 MCM | 1.06 in | 0.10-0.12 in | #12 – #8 AWG | 0.37 in | 0.06-0.095 in | 9 | 1/2 | 65 |



Application example

