

630 A Connecting Plug

DPC400 - 24 kV Applications

DPC436 - 36 kV Applications

Electrical Apparatus

1550-31



Figure 1.
630 A Connecting Plug.

INSTALLATION

- Threaded connections mate with the clamping screw of the tee connectors.
- A 10 mm hex key and torque wrench are required for installation.
- Typical arrangements and dimensions are shown on the following pages.

PACKAGING

- Complete kit includes installation instructions and silicone lubricant.

ORDERING INFORMATION

For 24 kV applications, specify **DPC400**.

For 36 kV applications, specify **DPC436**.

APPLICATION

- Connects two or more 630 A bolted tee connectors for use as a separable cable joint or for connection of multiple cables to an apparatus bushing.
- For system voltages (U_m) of 24 kV and 36 kV.
- Continuous current 630 A (900 A overload for 8 hours).
- For indoor and outdoor installation.

FEATURES

- Provides a fully screened and fully submersible connection when mated with tee connectors.
- Copper current carrying parts.
- Moulded EPDM insulation.
- Moulded semi-conductive EPDM collar maintains screen continuity.
- 100% factory tested.

STANDARDS

- Interfaces meet the requirements of CENELEC HD 506 S1, and other major standards.

QUALITY

- Manufacturing facility is registered to ISO-9001-1994 by third party audit.
- Routine Tests.
- X-Ray Audit of random samples.

TABLE A
Electrical Ratings

Catalog Number	DPC400	DPC436
Maximum System Voltage (U_m)	24 kV	36 kV
Partial Discharge Extinction (<3 pC)*	20 kV	30 kV
Impulse Withstand	125 kV	170 kV
AC Withstand*	54 kV	81 kV
Continuous Current	630 A	630 A
Overload (8 hrs.)	900 A	900 A
Short Circuit Withstand, 1 sec (rms sym)	35 kA	35 kA

*Denotes routine tests on 100% of production.



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