



Distribution

DFW European-Type HV Cable Branch Box

The DFW European-type cable branch box is widely used in power-distribution cable projects. Its key features are bidirectional doors and the use of connecting bushings as the connection busbar, giving short length, clear cable arrangement and no need for large cable crossovers with three-core cables. The cable connectors comply with DIN 47636 and generally use 630A bolted fixed-connection cable terminations.

MODEL DESIGNATION

DFW□-□□

DFW	outdoor cable branch box	□	voltage class (kV)
□□	number of circuits (incoming / outgoing per phase)	A	with surge arrester (blank = without)

TECHNICAL SPECIFICATIONS

Rated voltage	12 kV
Rated current	630 A
Dynamic stability current	50 kA / 0.3s
Thermal stability current	20 kA / 3s
Power-frequency withstand	42 kV / 1 min
DC withstand	52 kV / 15 min
Lightning impulse withstand	105 kV
Enclosure protection	IP33

NORMAL OPERATING ENVIRONMENT

- ▶ Ambient temperature +40 °C max, -30 °C min

▶ Humidity: daily & monthly average ≤ 95%

▶ Air free of corrosive or flammable gas and steam; no severe vibration
- ▶ Wind speed approx. 34 m/s (≤ 700 Pa)

▶ Anti-vibration: horizontal ≤ 0.4 m/s², vertical ≤ 0.15 m/s²; tilt ≤ 3°