

YZW17(DW17) UNIVERSAL AIR CIRCUIT BREAKER



APPLICATION

This series air circuit breakers are suitable used in AC 50/60Hz, 380V distributing systems with normal current up to 4000A for power distribution and overload, under-voltage and short-circuit protection of apparatus and circuit. Under normal conditions the breakers are used for unfrequent switchover of circuits. The breakers with rated current below 1250A used in 50/60Hz, 380V systems can protect motors from overload and short circuit, and actuate motors unfrequently under normal conditions.

NORMAL WORKING CONDITIONS

- Ambient air temperature ranging from -50°C \sim $+40^{\circ}\text{C}$ with 24h average value not over $+35^{\circ}\text{C}$.
- Altitude of installing site not exceeding 2000 meters above sea level.
- Relative humidity not higher than 50% at ambient temperature of $+40^{\circ}\text{C}$. higher relative humidity permissible at lower temperature. Max. relative humidity of monthly average 90% in the wet month with max. temperature of monthly temperature $+25^{\circ}\text{C}$ allowing for condensed dew produced due to temperature fluctuations.
- Places with pollution classification three.
- The breaker completely installed or separately installed indoors with inclination with vertical plane not greater than 5 degree.

MAIN TECHNICAL SPECIFICATION

Model	YZW17-630~1605	YZW17-2000~2505	YZW17-3200~3205
Rated working voltage	380 660V	380 660V	380 660V
Rated breaking capacity kA/cos ϕ (T)(rms)	50/0.25	60/0.25	80/0.25
Rated making capacity(660-peak value)	150kA	130kA	180kA
Full breaking time	\sim 30ms	\sim 30ms	\sim 30ms
Mechanical endurance(time)	20000	10000	30000
Electrical endurance(time)	1000	500	150

