

## FZW28F-12 Outdoor Vacuum Load Break Switch

### Summary

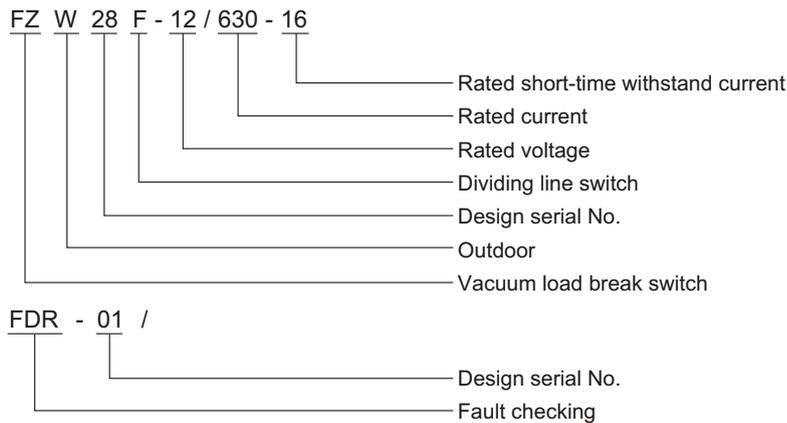
FZW28F-12 outdoor vacuum load break switch is pole mounted handle and motor free maintenance switch, which adopt vacuum arc extinguish and SF6 insulation medium. It conforms with IEC62271-103 & GB/T3804: High voltage AC load break switch. This load break switch (switch and controller) have function of fault checking, protection and communication.



### Ambient condition

1. Altitude:  $\leq 2000\text{m}$ ;
2. Ambient temperature:  $-45^{\circ}\text{C} \sim +40^{\circ}\text{C}$ ;
3. Wind speed:  $\leq 35\text{m/s}$ ;
4. Earthquake intensity:  $\leq 8$  degree;
5. Relative humidity: monthly average  $\leq 90\%$ , daily average  $\leq 95\%$ ;
6. Ice thickness:  $\leq 10\text{mm}$ ;
7. Applicable occasions should free from inflammable, explosives and severe vibration.

### Model



### Technical specification

| Switch  |  |       |           |
|---|--|-------|-----------|
| Item  | Unit   | Data  |           |
| Rated voltage                                   | kV   | 12    |           |
| Rated insulation level                          | 1min power frequency withstand voltage(phase to phase, phase to earth, across open contacts) | kV    | Dry 42/49 |
|   |  |       | Wet 34    |
|   | Lightning impulse withstand voltage(phase to phase, phase to earth, across open contacts)    | kV    | 75/85     |
| Rated power frequency                           | Hz   | 50/60 |           |
| Rated current                                   | A  | 630   |           |
| Rated short-time withstand current and duration | kA/4s  | 16    |           |
| Rated peak withstand current                    | kA   | 40    |           |
| Rated short-circuit making current              | kA   | 40    |           |
| Mechanical life                                 | Times  | 10000 |           |
| Net weight                                      | kg   | 210   |           |

Note: The insulate withstand voltage should be mend when the altitude higher than 1000m.

## Controller

| No. | Item   | Unit    | Data                             |
|-----|--|---------|----------------------------------|
| 1   | Normal voltage   | V       | 220 AC                           |
| 2   | Input working voltage power frequency                  | Hz      | 50                               |
| 3   | Input working voltage range                            | %       | ± 20                             |
| 4   | Power consume  | W       | < 10                             |
| 5   | Sampling phase current input data                      | 0~20A   | more than 20A, adopt saturation  |
| 6   | Sampling zero-sequence current input data              | 0~20A   | more than 0.4A, adopt saturation |
| 7   | Power input error                                      | %       | ± 5                              |
| 8   | Quick, over-current protection secondary current range | 0.2~40A | 0.1A                             |
| 9   | Over-current protection delay time                     | 0~8s    | 0.01s                            |
| 10  | Zero-sequence protection primary current range         | 0~40A   | 0.1A                             |
| 11  | Zero-sequence protection delay time                    | 0~1800s | 0.1s                             |
| 12  | Single side closing delay                              | 0~240s  | 0.1s                             |
| 13  | Computer operating distance                            | m       | 100                              |
| 14  | Remote distance  | m       | 100                              |
| 15  | Weight   | kg      | 12                               |

## Product outline

