



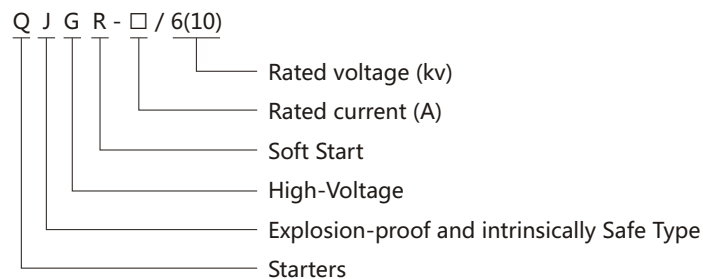
## QJGR-□/6(10)Series

Mine Explosion-proof and Intrinsically Safe HV AC vacuum Soft Starters

### 1. Function

The QJGR-/6(10) Series Mine Explosion-proof and Intrinsically Safe HV AC vacuum Soft Starters applies to underground coal mines where is filled with explosive gas(methane)and coal dust. it is used to control the direct start and start and stop, soft start and stop of three-phase squirrel-cage asynchronous motor in local or remote distance, rated voltage 6KV/10KV, frequency50/60HZ.

### 2. Model



### 3. Characteristics

- 3.1 With protective functions of motor overload over-voltage, under-voltage, current imbalance, zero sequence current, frequency motion, speed loss, stall current, over-frequent starting, over-heating, phase sequence checking, monitoring of motor and cable insulation etc.;
- 3.2 Whole course on-line monitoring of working voltage, current, operation time with high reliability;
- 3.3 With RS485 communication interface to realize central monitoring and control; Characteristic of small starting current, low mechanical pound, smooth and adjustable starting current and speed, reliable starting process, low shock to the grid and mechanical equipment, overall electrical protection etc. It is a ideal new-generation replacement for traditional direct start, star-delta star, reactor start and self-coupling reduction voltage start.

### 4. Technical Parameter

Technical parameters	QJGR-□/6	QJGR-□/10
Rated voltage (kV)	6	10
Maximum working voltage (KV)	7.2	12
Rated current of starter (A)	50A, 100A, 150A, 200A, 250A, 400A	
Rated frequency (Hz)	50	
Rated current of adopted contactor (A)	400	
Rated breaking capacity (25time) (A)	Maximum breaking capacity: 3200	
Rated closing current (100times) (A)	4000	
Rated short-time peak withstand current A/time (S)	10000/> 0.3	
Rated short-time withstand current A/time (S)	4000/2	
Limiting breaking current(3times) (A)	4000	
Mechanical endurance (ten thousand time)	100	
Mechanical endurance for disconnecting bolt (time)	1000	
Operating voltage	DC110V	
Main loop resistance	≤40μΩ	
Overload withstand current	6000A s	