QJR-200(120,80)/1140(660,380)
Mine Explosion-proof and Intrinsically Safe Type
AC Soft Starter

1. Function
This series mine explosion-proof and intrinsically safe AC soft starter is applicable in AC
50Hz distribution system with rated voltage of 1140V, 660V or 380V and rated current of
200A in underground coal mines with explosive and dangerous gas(methane) and coal
dust, it is used to control the direct start and stop, soft start and stop of three-phase
squirrel-cage asynchronous motor in local or remote distance. It is an ideal new generation
product to replace traditional star-delta starter and auto-transformer starter.

2. Model
QJR - 200(120,80) / 1140(660,380)

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- Rated voltage (V)
- Rated current (A)
- Soft Start
- Explosion-proof and intrinsically safe
- Starter

3. Characteristics
3.1 Liquid crystal English display for each parameter with simple and straightforward
setting and operation
3.2 The core adopts advanced all digital transmission controller of 16 digits single chip
3.3 Current-limiting start, voltage-ramp start, torque control, torque accelerated jumping
start and other start modes.
3.4 Self-check protective function of short circuit, loss of phase, leakage lockout, over
voltage, over current, etc.
3.5 High reliability and anti-interference with very high voltage adaptability and high anti-
interference ability of power supply
3.6 Built-in EPROM can store each kind of spot parameter to save information in power off
situation.

4. Technical Parameter
4.1 Rated voltage(kV): 1140, 660, 380
4.2 Rated current(A): 200, 120, 80
4.3 Frequency(Hz): 50
4.4 Max.times of current overload: It’s adjustable under 6 times
4.5 Start time(s): adjustable(max.60)
4.6 Start acceleration(m/s²): adjustable(max.60)
4.7 Cooling mode: natural cooling
4.8 Leakage lockout value(kΩ): 40+20%(1140V), 22+20%(660V), 7+20%(380V)

5. Overall Dimension
**QJR-200(120,80)/1140(660,380)**

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