

## JD060K385H4 (J)

### MAIN FEATURE:

- Fancy selected components, fits for the poor-quality power network.
- Large discharge current capability.
- Temperature control shut-off technology and built-in over-current
- protection circuit avoid fire accident entirely.
- Varistor parallel connection technology, especially fit for high frequency lightning area.
- Can be connected with Kevin mode.
- Remote monitor function
- Two color LEDs indicate operating state clearly and straightly
- Lightning counter (model with J only)



The JD060K385H4 series are designed for class I (class B) protection of three-phase AC power supply against lightning over-voltage destruction

### PARAMETERS

Model		<b>JD060K385H4(J)</b>	<b>JD080K385H4(J)</b>	<b>JD100K385H4(J)</b>
Nominal voltage <b>V<sub>n</sub></b>		Three-phase 220V / 380V		
Max Continuous operating voltage <b>V<sub>c</sub></b>		385V		
Nominal discharge current <b>I<sub>n</sub></b>		25kA(8/20μs)	30kA(8/20μs)	40kA(8/20μs)
Maximum discharge current <b>I<sub>max</sub></b>		60kA(8/20μs)	80kA(8/20μs)	100kA(8/20μs)
Protection level <b>U<sub>p</sub></b> (8/20μs)	L-N mode	U <sub>20kA</sub> 1500V U <sub>40KA</sub> 1800V	U <sub>20kA</sub> 1500V U <sub>40KA</sub> 1800V	U <sub>20kA</sub> 1500V U <sub>40KA</sub> 2000V
	N-PE mode	U <sub>20kA</sub> 600V U <sub>40KA</sub> 700V	U <sub>20kA</sub> 600V U <sub>40KA</sub> 800V	U <sub>20kA</sub> 600V U <sub>40KA</sub> 900V
Sensitivity of lightning counter		3kA(8/20μs)		
Response time		25ns		
Connecting cable section area		10mm <sup>2</sup> -35mm <sup>2</sup>		
Dimensions		450mm×330mm×150mm		
Working environments		Temperature -40 +70 , Humidity relative 5~95% (25 ) , Altitude 3km		

## INSTALLATION

1. The protection box should install close to the general power distribution cabinet. (Chart 1)
2. The connection of the SPD
  - 2.1 The protection box connection way, please check attached instruction..
  - 2.2 There is alarm transit port on the SPD (normally low impedance, failure high impedance.).  
Connection port is on the plate inside the case. If long distance control needed, just plug the alert device in open circuit..
  - 2.3 Check all the connections, then electrify, All indicators green shows the lightning protection box normal.

## NOTICE

1. Shut down power supply before installation. The connecting cable must be up to standard.
2. If system operating current of ' A ' is more than 100A, ' B ' ( a air breaker or meltable fuse of 63A) is necessary. (chart 3)
3. When the LED lights are in green it shows the SPD is normal, if they are red, that means the SPD has fault and need to be replaced immediately.
4. When remote alarm spring, check protection box carefully, the failure part must be replaced immediately.
5. No special maintenance was needed. Check the connection state, working state and LED once a period.

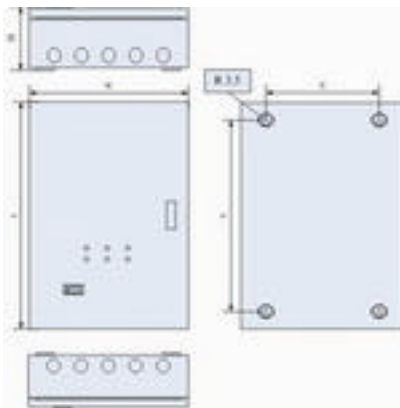


Chart 1

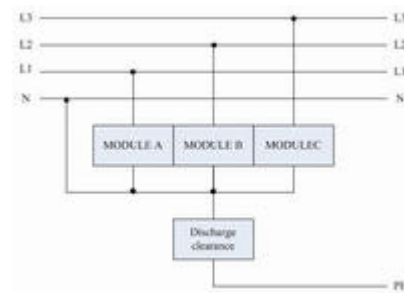


Chart 2

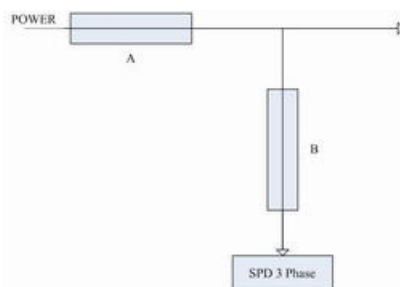


Chart 3