General Inductive Load



1. Industry segments

Field of industry

Inductive devices

Product

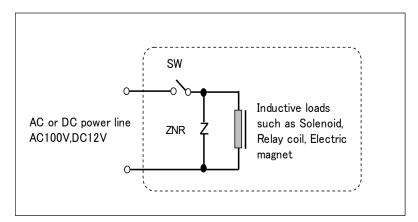
Relay coil, Electric magnet, Solenoid,

Motor, Transformer, Inductive acctuater

Magnetic contactor, etc.



2.Transient surge voltage and its protection by using ZNR



1)Aim of ZNR application

Suppression of switchig surge voltage from the inductor

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2)Problems with surge voltage

•Kind of surge voltage Switching surge voltage

• Path for surge voltage Power line connected to Inductive loads

3)How to apply ZNR to the circuits

Connection

Power line of inductive loads(line-line forming roop circuit)

ZNR part number selection

For AC100V: ERZE□□A271, ERZV□□D271, For AC200V: ERZE□□A471, ERZV□□D471

For DC12V : ERZV□□D220

□□ is a nominal dics size cord of ZNR and should be selected by an inductive load energy etc.

Precaution in surge protection designing

Maximum power line voltage, curret into inductive load, switching repetition and their interval should be taken into account.

3. Relevant technical information or references

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