Surge Protection on Ethernet

- https://www.bourns.com/pdfs/bourns_ethernet_poe_article.pdf
- http://www.akrossilicon.com/home/component/jdownloads/finish/3-whitepapers/29-ethernet-esd-compliance-w-as1602-wp12-rev1-3-pdf

Protecting the Primary-Side of the Transformer

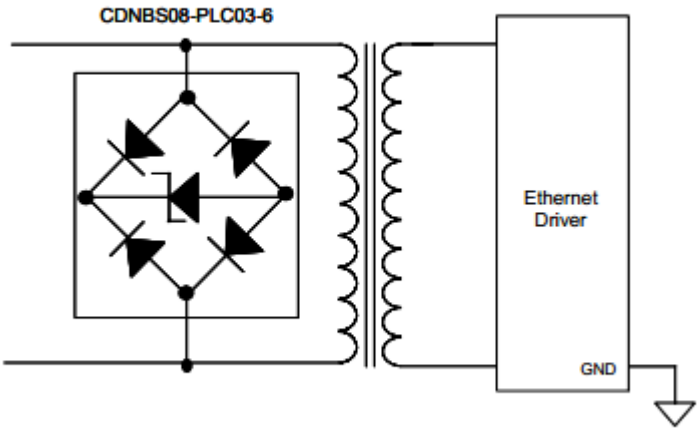
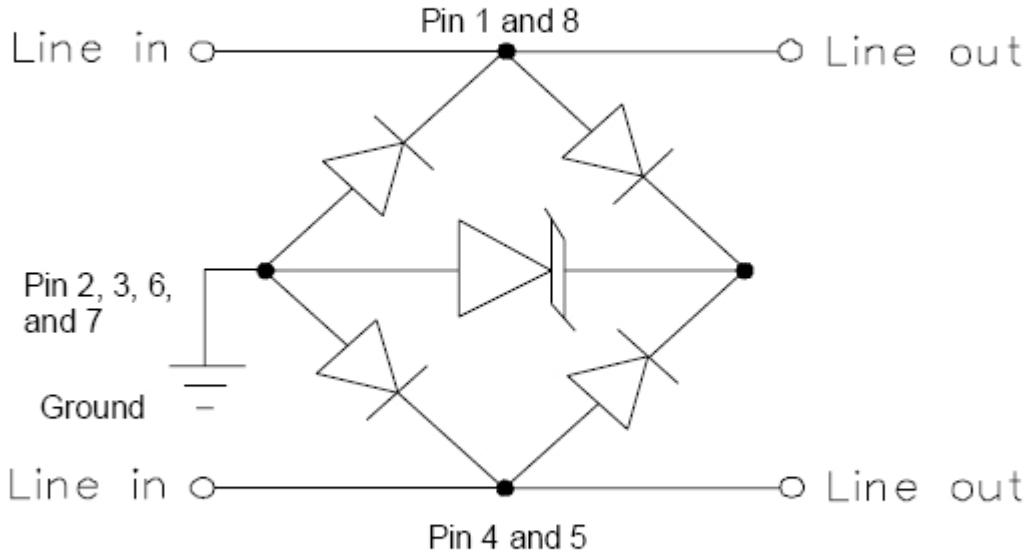


Figure 3 – Primary-side protection using PLC03 series



PCB Spark Gaps

- http://www.youtube.com/watch?v=vfP_65gSSBU
- Breakdown voltage = (3000 * air_pressure_atm * distance_mm) + 1350
  - 0.1mm = 1650V
  - 0.2mm = 1950V

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