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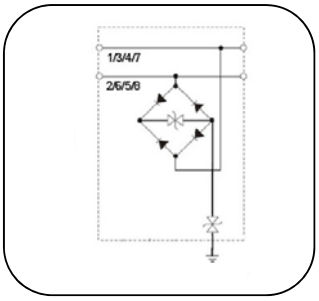
INFORMATION TECHNOLOGY SYSTEMS

**RJ45 CAT6 Connection (POE)** **ST-RJ45Cat6POE 8 wires**


Basic circuit diagram

**Surge suppression for CAT6 & Power-Over-Ethernet (POE) network systems. To protect against surges at the boundaries from lightning protection zone $0_B$-2 and higher.**

| Type | | ST-RJ45Cat6POE | |
|---|---|---|---|
| | | In accordance with IEC 61643-21:2005 ; EN50173 Category 6 | |
| Pinning | | 1/2,3/6,4/5,7/8 for data | 1&2/ 3&6 or 4&5/ 7&8 for POE |
| Nominal voltage (Vdc) | Un | 5 | 48 |
| Max. continuous operating voltage (Vdc/ac) | Uc | 6/5 | 60/48 |
| C2 Nominal discharge current(8/20) | In | 100A | |
| C2 Total nominal Discharge Current（8/20us） | | 400A | |
| Voltage protection level (V) | @C2 (8/20μs)Up | <30 | <250 |
| | @C3 (1KV/μs)Up | <24 | <190 |
| Nominal Current (A) | IL | --- | 0.5 |
| Transmission Speed（bps） | | 1000Mbps | --- |
| Insertion loss at 250MHz (dB) | | ≤3.0 | --- |
| Transmission standards | | 10BaseT / 100BaseT/1000BaseT /1000BaseTX(CAT6) | --- |
| Mounting | | 35mm DIN-rail in accordance with EN 50022/DIN46277-3 ( Optional ) | |
| Type of Connection IN/OUT | | RJ45 Female/ Female | |
| Dimensions (mm) | | 70 X 25 X 25 | |
| Operating temperature range | | 0ºC ~ + 40ºC | |

POE Typical circuit