
GPG BUILDING AUTOMATION, 12/2018

ABB i-bus® KNX

Power Supplies, Parallel Switching

We advise that you ensure your installation complies with the recommendations of the KNX Association and the applicable standards:

- Use only one KNX power supply per KNX line.
- If the number of KNX devices exceeds the capacity of a KNX power supply, replace the supply with one that has a higher rated current or expand your KNX system with an additional KNX line that has its own KNX power supply.

Generally speaking, up to two ABB i-bus® KNX power supplies may be switched in parallel on one KNX line. In such cases, the rated current of the ABB i-bus® KNX power supplies in use does not matter. In other words, two different ABB i-bus® KNX power supplies may be switched in parallel. No minimum spacing is required during installation.

Please note (applies to all KNX manufacturers) that parallel switching reduces the overall impedance of a line regardless of rated current. Switching more than two KNX power supplies in parallel also significantly reduces the transmission range of the KNX line.