1000V Potential Block for Photovoltaic Systems

TOPJOB®S Rail-Mounted Terminal Blocks up to 1000V in Generator

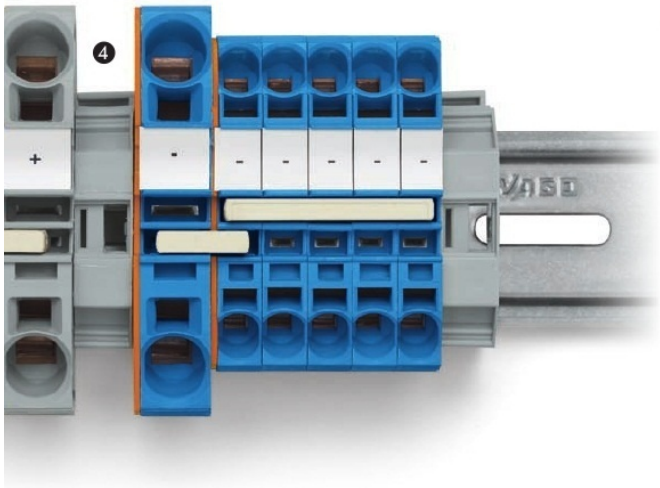
Requirements for 1000V:

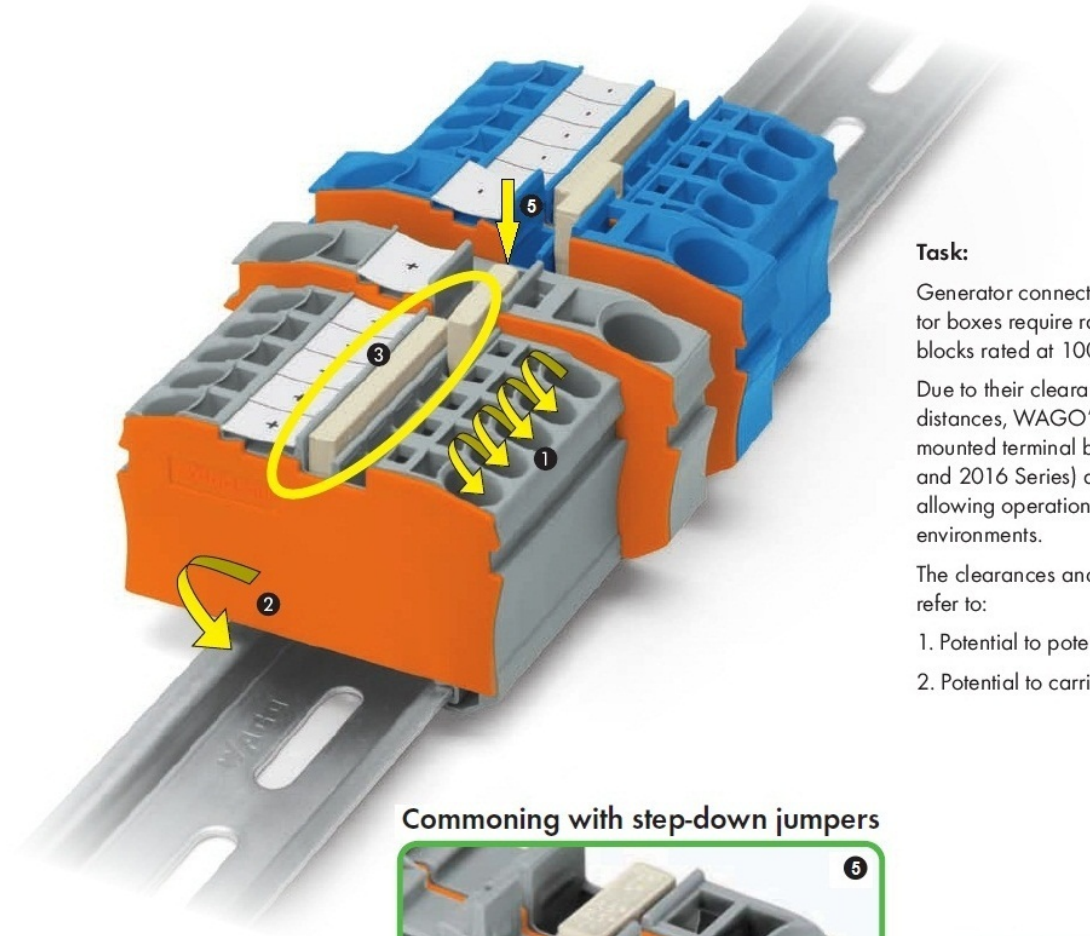
By commoning individual terminal blocks, it is possible to achieve a common potential ❸.

This eliminates potential-to-potential clearances and creepage distances.

The remaining clearances and creepage distances from potential to carrier rail are sufficient for 1000V applications.

Blocks with differing potentials (+, –) mounted next to each other on a carrier rail are separated by an end stop that is at least 6mm wide ❹.





Task:

Generator connection and line collector boxes require rail-mounted terminal blocks rated at 1000VDC.

Due to their clearances and creepage distances, WAGO's TOPJOB®S rail-mounted terminal blocks (2006, 2010, and 2016 Series) are rated at 800V, allowing operation in pollution degree 3 environments.

The clearances and creepage distances refer to:

1. Potential to potential ❶
2. Potential to carrier rail ❷.

Commoning with step-down jumpers

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