Faultless grounding of the ABB Procontic T200 is necessary in order to ensure electromagnetic compatibility (EMC) for the operation in low-voltage switching stations. In the following, two examples of grounding are shown:

1. Grounding by vertical grounding bar close to the subracks

[Diagram showing grounding connections and labels for equipment and cables]
Grounding at central grounding point in control cabinet

Equipotential bonding: connect PG5 on bus LP by a 4 or 6 mm² cable

Grounding of the overall shield max. 5 cm

ZB20 and remote expansion, triaxial cable

2.5 mm²

4.6 mm²

4.6 mm²

Basic subrack

Expansion subrack

Analog inputs, twisted and shielded cable

Grounding of the shield max. 5 cm

Central grounding point

Common grounding of the analog values