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Designation for casing

REX060

Front view

Designation corresponding to module

Module Slot Terminal
PSM P1 X1
SIM P6 X61, X62
RIM P8 X81, X82

Bottom view

Designation corresponding to module

Module Slot Terminal
SM P1 X1

Rear view

1/2x19" (241.3 mm)

X11 X61 X81

6U (266.7 mm)

Front view

(217 mm)

ABB

(235 mm)

ABB ABB

Doc.No. 1MRK002504-DA
Alternative 1: Stator grounded via a primary resistor. Injection made at neutral point via a voltage transformer.

Use shielded cable \(2.5\text{mm}^2\)

Use shielded twisted pair cable \(1.0\text{mm}^2\)

Recommended to use shielded cable \(1.5\text{mm}^2\). Alternatively, cabling practice of the end user can be used.

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* Cable cross section is dependent on the cable run.
  * For cable length up to 75m use cross section of \(2.5\text{mm}^2\)
  * For cable length up to 150m use cross section of \(4\text{mm}^2\)
  * For cable longer than 150m required cross section shall be calculated for every particular installation. Based on detailed info about the generator earthing equipment, please contact ABB for help with this calculation.
Alternative 2: Stator grounded via distribution transformer and a secondary resistor. Injection made at neutral point via the distribution transformer.

- Recommended to use shielded cable 1.5mm². Alternatively, cabling practice of the end user can be used.

- Use shielded twisted pair cable 1.0mm².

- Use shielded cable ≥2.5mm².

- Cable cross section is dependent on the cable run.

  - For cable length up to 75m use cross section of 2.5mm²
  - For cable length up to 150m use cross section of 4mm²
  - For cable longer than 150m required cross section shall be calculated for every particular installation based on detailed info about the generator earthing equipment. Please contact ABB for help with this calculation.
Alternative 3: Stator grounded via three-phase grounding transformer located at generator terminals and a secondary resistor. Injection made at open delta winding of the grounding transformer.

To 95% stator earth fault

Use shielded cable &lt;2.5mm²

Use shielded twisted pair cable 1.0mm²

Recommended to use shielded cable 1.5mm². Alternatively cabling practice of the end user can be used.

* Cable cross section is dependent on the cable run.
  - For cable length up to 75m use cross section of 2.5mm²
  - For cable length up to 150m use cross section of 4mm²
  - For cable longer than 150m required cross section shall be calculated for every particular installation based on detailed info about the generator earthing equipment. Please contact ABB for help with this calculation.
Alternative 4: Stator not grounded. Injection made at neutral point via a voltage transformer.

* Cable cross section is dependent on the cable run. 
  * For cable length up to 75m use cross section of 2.5mm² 
  * For cable length up to 150m use cross section of 4mm² 
  * For cable longer than 150m required cross section shall be calculated for every particular installation based on detailed info about the generator earthing equipment. Please contact ABB for help with this calculation.
Alternative 5: Injection made at open delta winding of a three-phase voltage transformer located at generator terminals. Stator can be grounded in any of the four ways shown previously in Alternative 1, 2, 3 or 4.

* Cable cross section is dependent on the cable run.
  - For cable length up to 75m use cross section of 2.5mm²
  - For cable length up to 150m use cross section of 4mm²
  - For cable longer than 150m required cross section shall be calculated for every particular installation based on detailed info about the generator earthing equipment. Please contact ABB for help with this calculation.