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Data Sheet



MOVITRANS® TPS10A Stationary Converter Information Regarding UL



1 UL-compliant installation

1.1 Power terminals

Observe the following notes for UL-compliant installation:

- Use 60/75°C copper wire only.
- Tighten power terminals to 1.5 Nm (13.3 lb-in) for Model TPS10A040 and 14 Nm (124 lb-in) for Model TPS10A160.

1.2 Short circuit current rating

Suitable for use on a circuit capable of delivering not more than 5,000 rms symmetrical amperes (Model TPS10A040) and 10,000 rms symmetrical amperes (Model TPS10A160) when protected by fuses, circuit breakers and ABB and Rockwell Type E Combination Motor controllers as described in the table below.

- MOVITRANS® TPS10A, the max. voltage is limited to 500 V.

1.3 Branch circuit protection

For MOVITRANS® TPS10A use branch circuit protection as follows:

Model	SCCR: 200 kA / 500 V When protected by: Non Semiconductor Fuses (currents are maximum values)	SCCR: 200 kA / 500 V When protected by: Inverse-Time Circuit Breaker	SCCR: 65 kA / 480 V When protected by: ¹⁾ Type E Combinationen Motor Controller	SCCR: 65 kA / 460 V When protected by: Type E Combinationen Motor Controller
TPS10A040-X SCCR: 5 kA / 500 V when protected by:	110 A / 600 V	25 A max / 500 V min	ABB, Model MS132-6.3 Rated 480 V, 3 HP	Rockwell Automation, Model 140M-C2E- B63 Rated 460 V, 5 HP
TPS10A160-X SCCR: 10 kA / 500 V when protected by:	350 A / 600 V	175 A max / 500 V min	ABB, Model MS132-25 Rated 480 V, 15 HP	Rockwell Automation, Model 140M-F8E-C25 Rated 460 V, 20 HP

1) Drives employing Type E Combination Motor Controller model MS132-25, must be installed with Current Limiter Series S803W-SCLxxx-SR manufactured by ABB, otherwise SCCR rated 30 kA / 480 Vrms.

1.4 Ambient temperature

MOVITRANS® TPS10A is suitable for an ambient temperature of 40 °C.

1.5 Wiring diagrams

For wiring diagrams, refer to the MOVITRANS® TPS10A operating instructions, chapter "Electrical installation".