



SEW
EURODRIVE

Data Sheet



MOVIFIT® compact Information Regarding UL



1 Information Regarding UL

1.1 MOVIFIT® compact MBF (inverter)

1.1.1 Field Wiring Power Terminals

Use 60/75°C fine stranded copper wire only sized AWG 14 – 10, suitable for 1 wire per terminal.

1.1.2 Short Circuit Current Ratings

Suitable for use on a circuit capable of delivering not more than 10,000 rms symmetrical amperes when protected as follows:

All models are rated 10 kA when protected as follows:

- 500 V minimum, 20 A maximum, non-semiconductor fuses or
- 500 V minimum inverse time circuit breakers with an interrupting rating not less than 10,000 rms symmetrical amperes.
- Combination Motor Controller Model MS132-2.5, manufactured by ABB Rated 500 V, 2.5 A

The max. voltage is limited to 500 V.

Suitable for motor group installation on a circuit capable of delivering not more than 10,000 rms symmetrical amperes when protected as follows:

All models are rated 10 kA for group installation when protected as follows:

- 500 V minimum, 20 A maximum, non-semiconductor fuses or
- 500 V minimum, 20 A maximum inverse time circuit breakers with an interrupting rating not less than 10,000 rms symmetrical amperes.

The max. voltage is limited to 500 V.

1.1.3 Branch Circuit Protection

Integral solid state short circuit protection does not provide branch circuit protection. Branch circuit protection must be provided in accordance with the National Electrical Code and any additional local codes.

For maximum branch circuit protection see table below.

	SCCR: 10 kA /500V when protected by	
Model	Inverse time circuit breakers	Combination Motor Controllers
MOVIFIT® compact	20 A maximum 500 V minimum	ABB Model MS132-2.5, rated 500 V, 2.5 A

1.1.4 Ambient Temperature

MOVIFIT® compact is suitable for an ambient temperature of 40 °C, max. 60 °C with de-rated output current. To determine the output current rating at temperatures above 40 °C, the output current should be de-rated by 3 % per K between 40 °C and 60 °C.

1.1.5 Wiring Diagram

For wiring diagrams, refer to the operating instructions > chapter "Electrical Installation".











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