



SEW
EURODRIVE

Data Sheet



MOVIFIT[®]-FDC Information Regarding UL



1 Information Regarding UL

Observe the following notes for UL-compliant installation:

1.1 Field Wiring Power Terminals

- Use 75 °C copper wire only.
- MOVIFIT®-FDC uses cage clamp terminals.

1.2 Short Circuit Current Rating

When installed in combination with listed MOVIGEAR® / DRC drive units:

Suitable for use on a circuit capable of delivering not more than 200,000 rms symmetrical amperes when protected by 40 A, 600 V non-semiconductor fuses or 500 V minimum 40 A maximum inverse time circuit breakers:

MOVIFIT®-FDC, max. voltage is limited to 500 V.

1.3 Branch Circuit Protection

For maximum branch circuit protection see table below.

Series	non-semiconductor fuses	inverse time circuit breaker
MOVIFIT®-FDC	40 A / 600 V	500 V minimum, 40 A maximum

1.4 Ambient Temperature

MOVIFIT®-FDC is suitable for an ambient temperature of 40 °C, max. 60 °C with derated output current. To determine the output current rating at higher than 40°C, the output current should be derated 3.0 % per °C between 40°C and 60°C.

1.5 Wiring Diagrams

For wiring diagrams, please refer to the English operating manual "MOVIFIT®-FDC" (see <http://www.sew-eurodrive.com>).



1.6 *UL-compliant installation*

- For UL-compliant installation, only the EBOX specified on the ABOX nameplate may be mounted to the ABOX. The UL certification refers only to the ABOX / EBOX combination stated on the nameplate.
- The standard version of MOVIFIT®-FDC is equipped with integrated, UL-approved short-circuit and ground fault protection for the supply cables to the MOVIGEAR® / DRC drive units. The protection device is set to 15 A or 20 A depending on the type.
For MOVIFIT®-FDC variants without integrated short-circuit and ground fault protection of the supply cables to the MOVIGEAR® / DRC drive units, you have to ensure this protection by suitable external measures.

The UL certification only applies for the operation on voltage supply systems with voltages to ground of max. 300 V. The UL-certification does not apply for the operation on voltage supply systems with a non-grounded star point (IT systems).



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