# MCV41A0040-5A3-4-00

SEW-EURODRIVE GmbH & Co KG · MOVIDRIVE® compact Inverter (with encoder feedback)

## FEATURES

Compact vector inverter with encoder feedback (CFC), 4.0 kW, PROFIBUS-DP built-in.

### Hardware

### Communication

**Built-in ports:**
PROFIBUS-DP (IEC 61158), auto baud rate 9.6 kbaud-12 Mbaud; SBus system bus

**Protocols:**
PROFIBUS-DP; binary/analog setpoint

**Communication expansion:**
No built-in Ethernet; DWI11A encoder option (822 759 4)

### Electrical

**Supply voltage:**
3 x AC 380-500 V nominal, 50-60 Hz +/-5%

**Rated power (constant torque at 400 V):**
4.0 kW

**Continuous output current (VFC, 125% I_N, 4 kHz):**
11.9 A

**CFC stall torque:**
minimum 160% of rated torque even with motor stopped (encoder required)

**VFC stall torque:**
minimum 150% (with encoder); 150% from 0.5 Hz (without encoder)

**Current limit I_max:**
150% I_N (motoring/regenerative)

**Output frequency:**
0-1100 Hz setpoint range (parameter 002); maximum output frequency not separately published in technical data table

**Minimum braking resistor:**
Size 1 (230 V)=27 Ω; Size 3=15/12 Ω; Size 4=6 Ω; Size 5=6/4 Ω

**DC bus voltage:**
Not published by manufacturer (MOVIDRIVE compact system manual technical data table does not list nominal or maximum DC link voltage)

### Environmental

**Operating temperature:**
0 to +50 °C (100% I_N, 4 kHz); 0 to +40 °C (125% I_N or 8 kHz); derating 3.0% I_N per K above, maximum +60 °C (EN 60721-3-3 class 3K3)

**Storage temperature:**
-25 to +70 °C (class 3K3); DBG panel -20 to +60 °C; long-term storage requires power-on for at least 5 min every 2 years

**Relative humidity:**
Moisture-proof, non-condensing (no specific RH percentage published by manufacturer)

**Protection rating:**
IP20 (EN 60529)

### Physical

**Dimensions (H × W × D):**
315 × 105 × 155 mm

**Weight:**
2.8 kg

## Lifecycle

**Legacy (official migration guide to MDX61B; no formal EOS announcement; product page delisted; aftermarket channels list as discontinued by manufacturer) (Last verified:**
2026-09)