DER11B

SEW-EURODRIVE GmbH & Co KG · MOVIDRIVE® Encoder Option Card

FEATURES

Resolver option card for MOVIDRIVE® MDX60B/61B drive inverters; one resolver motor-encoder input and one external encoder input that can also output an incremental encoder simulation.

Hardware

Encoder interface

Motor encoder input X15:
resolver, 2-pole, U_ref = AC 3.5 V eff, U_in/U_ref = 0.5, resolver excitation 4 kHz

External encoder input X14:
maximum 200 kHz; HIPERFACE®, sin/cos AC 1 V, TTL with negated tracks, RS422

Incremental encoder simulation output (X14):
RS422 signal level, 1024 pulses/revolution

Encoder power supply:
DC +12 V (tolerance DC 10.5-13 V), I = DC 650 mA maximum total

Maximum encoder cable length:
100 m

Electrical

Rated output power:
Not applicable (resolver encoder input card; no standalone power output, powered by host drive)

Rated output current:
www.autronexa.com
Not applicable (resolver encoder input card; no standalone current output)

Supply voltage:
Not applicable (resolver encoder input card; powered via host drive internal bus or X26 connector)

Power consumption (card):
Not applicable (passive encoder option card; powered by host drive internal bus, no standalone power rating)

Environmental

Operating temperature:
Not applicable (option card installed inside drive; manufacturer does not publish standalone environmental specs)

Storage temperature:
Not applicable (option card installed inside drive; manufacturer does not publish standalone environmental specs)

Relative humidity:
Not applicable (option card installed inside drive; manufacturer does not publish standalone environmental specs)

Protection rating:
Not applicable (option card installed inside drive; manufacturer does not publish standalone environmental specs)

Physical

Dimensions (H × W × D):
Not applicable (plug-in card installed inside MOVIDRIVE B unit)

Weight:
Not applicable (option card installed inside drive; manufacturer does not publish standalone environmental specs)

Lifecycle

MOVIDRIVE B option card; documented in MOVIDRIVE® MDX60B/61B system manual (Last verified:
2026-09)