

4.2 Resolver card DER11B


4.2.1 Part number

08243077

4.2.2 Description

Option-capable MOVIDRIVE® MDX61B devices can be equipped with resolver card type DER11B. The resolver card offers one input for the resolver as motor encoder and one input for external encoder, also referred to as a distance encoder. The input for the external encoder can also be used as an output for incremental encoder simulation.

4.2.3 Electronics data

DER11B option		
	Output for incremental encoder simulation or External encoder input X14:	Output for incremental encoder simulation: • Signal level to RS422 • The number of pulses is 1024 pulses/revolution External encoder input (max. 200 kHz): Permitted encoder types: • HIPERFACE® encoder • Sin/cos encoder $V_{SS} = AC\ 1\ V$ • TTL encoder with negated tracks • Encoder with signal level to RS422 Encoder voltage supply: • DC +12 V (tolerance range DC 10.5 – 13 V) • $I_{max} = DC\ 650\ mA$
	Motor encoder input X15:	Resolvers 2-pole, $V_{ref} = AC\ 7\ V$, 7 kHz $V_{in}/V_{ref} = 0.5 \pm 10\%$
	Maximum cable length	100 m