

Exlar Actuator / Rockwell Automation Compatibility Matrix

To learn about the compatibility of Exlar actuators with Rockwell Automation Drives, please review the information below.

Rockwell Automation Drive	Exlar Feedback Type				
	RA1 ABA, ABB	RA2 AB5, AB9	RA3 AB1, AB7, AB8	RA4 AB2, AB6	RA5
Ultra3000 (Stand Alone or SERCOS)	X	X	X ⁴		
Kinetix 3 (Stand Alone)					
Kinetix 300 (Stand Alone)			X ³		
Kinetix 350 (CIP Motion)	X ¹	X ¹	X ¹		
Kinetix 5500 (CIP Motion)					X ⁵
Kinetix 6000 (SERCOS)	X ¹	X ¹	X ¹	X ¹	
Kinetix 6200 (SERCOS)	X ¹	X ¹	X ¹		
Kinetix 6500 (CIP Motion)	X ²	X ²	X ¹		
Kinetix 7000 (SERCOS)					

Rockwell Automation Motor Callout	Exlar Feedback Type	
	Designator	Description
V	RA1 ABA, ABB	Stegmann SKM36 Multi-turn Absolute Encoder
M	RA2 AB5, AB9	Stegmann SRM50 Multi-turn Absolute Encoder
H	RA3 AB1, AB7, AB8	Standard Incremental Encoder 2048 Lines
R	RA4 AB2, AB6	Standard Resolver 2 Pole, 0.25 TR
P	RA5	Stegmann DSL (2-wire) Multi-turn Absolute Encoder

Notes:

X – No .cmf file required if using in stand-alone mode via Ultraware. If connecting to Rockwell's Integrated Architecture via SERCOS, select Exlar catalog number in RSLogix/Studio5000 or import .cmf file for desired Exlar actuator.

X¹ – Select Exlar catalog number in RSLogix/Studio5000 or import .cmf file for desired Exlar actuator.

X² – Select Exlar catalog number in RSLogix/Studio5000 or import .cmf file for desired Exlar actuator. Optionally in RSLogix/Studio5000, select MOTORNV as the motor data source and the K6500 servo drive will use the data stored in the Stegmann feedback device.

X³ - Manual motor data entry only. No .cmf file capability.

X⁴ - If using in stand-alone mode via Ultraware, select .mxf file from Exlar. If connecting to Rockwell's Integrated Architecture via SERCOS, select Exlar catalog number in RSLogix/Studio5000 or import .cmf file for desired Exlar actuator.

X⁵ – Consult Exlar.

All .cmf files for Exlar Encompass program models may be found on Rockwell Automation's Knowledgebase - Answer ID# 559533.

The .cmf file import tool and instructions may be found on Rockwell Automation's Knowledgebase - Answer ID# 534602

Any .cmf files not located on the Rockwell Automation Knowledgebase may be available from Exlar. Consult Exlar Tech Support to determine if desired .cmf file exists. If it does not exist, a new .cmf file must be requested through your local Rockwell Automation distributor.