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 GSX				
	RA1, ABA, ABB	RA2, AB5, AB9	RA3, AB1, AB7, AB8	RA4, AB2, AB6	RA5
Ultra3000 (Stand Alone or SERCOS)	X	X	X[4]	NA	NA
Kinetix 3 (Stand Alone)	NA	NA	NA	NA	NA
Kinetix 300 (Stand Alone)	NA	NA	X[3]	NA	NA
Kinetix 350 (CIP Motion)	X[1]	X[1]	X[1]	NA	NA
Kinetix 5100	X	X	NA	NA	NA
Kinetix 5300	X[1]	X[1]	X[3]	NA	NA
Kinetix 5500 (CIP Motion)	DSL Converter	DSL Converter	NA	NA	X[5]
Kinetix 5700	X[2]	X[2]	X[1]	X[6]	X[5]
Kinetix 6000 (SERCOS)	X[1]	X[1]	X[1]	X[1]	NA
Kinetix 6200 (SERCOS)	X[1]	X[1]	X[1]	NA	NA
Kinetix 6500 (CIP Motion)	X[2]	X[2]	X[1]	NA	NA
Kinetix 7000 (SERCOS)	X[2]	X[2]	X[1]	NA	NA

Rockwell Automation Drive	Exlar Feedback Type GTX			
	RA-S1C2	RA-E1C2	RA-R3A4	RA-S3C0
Ultra3000 (Stand Alone or SERCOS)	NA	X[4]	NA	NA
Kinetix 3 (Stand Alone)	NA	NA	NA	NA
Kinetix 300 (Stand Alone)	NA	X[3]	NA	NA
Kinetix 350 (CIP Motion)	X[1]	X[1]	NA	NA
Kinetix 5100	X	NA	NA	NA
Kinetix 5300	X[1]	X[3]	NA	NA
Kinetix 5500 (CIP Motion)	DSL Converter	NA	NA	X[2]
Kinetix 5700	X[2]	X[1]	X[6]	X[2]
Kinetix 6000 (SERCOS)	X[1]	X[1]	X[1]	NA
Kinetix 6200 (SERCOS)	X[1]	X[1]	NA	NA
Kinetix 6500 (CIP Motion)	X[2]	X[1]	NA	NA
Kinetix 7000 (SERCOS)	X[2]	X[1]	NA	NA

Continued on next page

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:

DSL Converter - 2198-H2DCK

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.

X[1] – Select Exlar catalog number in RSLogix/Studio5000 or import .cmf file for desired Exlar actuator.

X[2] – 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. This can only be done BLB.based encoders.

X[3] – Manual motor data entry only. No .cmf file capability.

X[4] – 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.

X[5] – Consult Exlar.

X[6] - Vega board, consult Rockwell Automation.

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.