B&R Servo Drive

This page describes the integration of the Green Drive ISO roto-linear unit with a **B&R servo drive**. The drive uses the appropriate plug-in module for the linear and the rotary side.

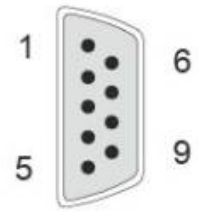
Linear motor side

Plug-in modules: https://www.nilab.at/dokuwiki/doku.php?id=green_drive_iso:b_r_drive|

Rotary motor side

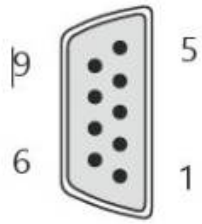
ACOPOS Multi

Plug-in module: **8BAC0122.000-1**

Figure	X11	Pin	Description 1)	Function	Typical wire colors for the resolver 2)
		1	T+	Temperature sensor +	---
		2	T-	Temperature sensor -	---
		3	S4	Sine input +	Blue
		4	S1	Cosine input -	Red
		5	R2	Reference output +	Black/White (or yellow/white)
		6	---	---	---
		7	S2	Sine input -	Yellow
		8	S3	Cosine input +	Black
		9	R1	Reference output -	Red/White

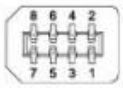
ACOPOS Standard

Plug-in module: **8AC122.60-3**

Figure	X11	Pin	Name	Function	Typical wire colors for the resolver
		1	---	---	---
		2	---	---	---
		3	S4	Sine input +	Blue
		4	S1	Cosine input -	Red
		5	R2	Reference output +	black/white (or yellow/white)
		6	---	---	---
		7	S2	Sine input -	Yellow
		8	S3	Cosine input +	Black
		9	R1	Reference output -	red/white

ACOPOS P3

Plug-in module: **8EAC0122.001-1**

Figure	Mini I/O X41A	Pin	Name [1]	Function	Typical wire colors for the resolver [2]
		1	S2	Sine input -	Yellow
		2	R2	Reference output +	Black/White (or yellow/white)
		3	S4	Sine input +	Blue
		4	R1	Reference output -	Red/White
		5	S3	Cosine input +	Black
		6	T1	Temperature sensor +	---
		7	S1	Cosine input -	Red
		8	T2	Temperature sensor -	---

Notes

- The **linear motor side** uses the plug-in modules shown for the Green Drive ISO motor. - The **rotary motor side** uses the resolver plug-in modules (ACOPOS Multi, Standard, or P3). - Select the plug-in module according to the drive type and the feedback. - Refer to the B&R documentation and the technical data page for the full commissioning procedure.

From:
https://www.nilab.at/dokuwiki/ - **NiLAB GmbH Knowledgebase**

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https://www.nilab.at/dokuwiki/doku.php?id=en:green_drive_iso_rotolinear:b_r_drive

Last update: **2026/09/12 14:36**