

Servoazionamento B&R

Questa pagina descrive l'integrazione del motore lineare tubolare ISO Green Drive con un **servoazionamento B&R**. L'azionamento B&R è configurato con il modulo plug-in appropriato e le corrette impostazioni di encoder e fasi motore.

ACOPOS MULTI

Modulo plug-in: **ENDAT 8BAC0120.000-1**

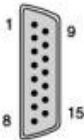
Figure	X11	Pin	Name	Function
		1	A	Channel A
		2	COM	Encoder supply 0 V
		3	B	Channel B
		4	+5V	Encoder supply +5 V
		5	D	Data input
		6	---	---
		7	T+	Temperature sensor +
		8	T	Clock output
		9	A\	Channel A inverted
		10	Sense COM	Sense input 0 V
		11	B\	Channel B inverted
		12	Sense +5V	Sense input +5 V
		13	D\	Data input inverted
		14	T-	Temperature sensor -
		15	T\	Clock output inverted

Table: Pin assignments - EnDat 2.1 interface 8BAC0120.000-1

Modulo plug-in: **SIN/COS 8BAC0124.000-1**

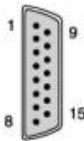
Figure	X11	Pin	Name	Function
		1	A	Channel A
		2	COM	Encoder supply 0 V
		3	B	Channel B
		4	+5V	Encoder supply +5 V
		5	T+	Temperature sensor +
		6	Limit -	Negative limit (L2)
		7	R\	Reference pulse inverted
		8	Limit+	Positive limit (L1)
		9	A\	Channel A inverted
		10	Sense COM	Sense input 0 V
		11	B\	Channel B inverted
		12	Sense +5V	Sense input +5 V
		13	T-	Temperature sensor -
		14	R	Reference pulse
		15	---	---

Table: Pin assignments - SinCos interface 8BAC0124.000-1

Acopos

Modulo plug-in:**8AC120.60-1**

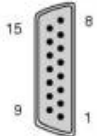
Figure	X11	Pin	Name	Function	
				EnDat mode	Incremental mode
		1	A	Channel A	
		2	COM (1, 3 - 9, 11, 13 - 15)	Encoder supply 0 V	
		3	B	Channel B	
		4	+5V out / 0.25A	Encoder supply +5 V	
		5	D	Data input	---
		6	---	---	
		7	R\	---	Reference pulse Inverted
		8	T	Clock output	---
		9	A\	Channel A inverted	
		10	Sense COM	Sense input 0 V	
		11	B\	Channel B inverted	
		12	Sense +5V	Sense input +5 V	
		13	D\	Data Inverted	---
		14	R	---	Reference pulse
		15	T\	Clock output Inverted	---

Table: Pin assignments for AC120 - EnDat Encoder Interface

Acopos P3

Modulo plug-in: **8EAC0152.001-1**

Figure	X41M	Pin	Name	Function depending on configured encoder type			
				SinCos	EnDat 2.1	SSI SinCos	HIPERFACE
		1	B\	Channel B inverted			REF cosine
		2	B	Channel B			Cosine
		3	GND	Encoder power supply 0 V			
		4	A\	Channel A inverted			REF sine
		5	A	Channel A			Sine
		6	R	Reference pulse	Data +		
		7	R\	Reference pulse inverted	Data -		
		8	U+	Encoder power supply 5 V			Encoder power supply 12 V
		9	T-	Temperature sensor -	Clock -	Temperature sensor -	
		10	T+	Temperature sensor +	Clock +	Temperature sensor +	

Configurazione encoder

Encoder incrementale (ncINC) con **ParID 109** = 16384 (fattore di interpolazione)

Fasi motore

Fase V e W invertite.

Note

- Selezionare il modulo plug-in in base al feedback del motore (ENDAT o SIN/COS). - Impostare il

fattore di interpolazione (ParID 109) come mostrato sopra per la risoluzione configurata. - L'ordine delle fasi motore deve corrispondere alla configurazione dell'azionamento (V e W invertite). - Per la procedura completa di messa in servizio, fai riferimento alla documentazione B&R e al datasheet del motore.

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