# 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**

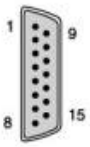
| Figure | X11 | Pin | Name | Function |
|---|---|---|---|---|
|   |   | 1 | A | Channel A |
| | | 2 | COM | Encoder supply 0 V |
| | | 3 | B | Channel B |
| | | 4 | +5V | Encoder supply +5 V |
| | | 5 | D | Data input |
| | | 6 | --- | --- |
| | | 7 | T+ | Temperature sensor + |
| | | 8 | T | Clock 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**

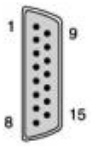
| Figure | X11 | Pin | Name | Function |
|---|---|---|---|---|
|   |   | 1 | A | Channel A |
| | | 2 | COM | Encoder supply 0 V |
| | | 3 | B | Channel B |
| | | 4 | +5V | Encoder supply +5 V |
| | | 5 | T+ | Temperature sensor + |
| | | 6 | Limit - | Negative limit (L2) |
| | | 7 | R\ | Reference pulse 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**

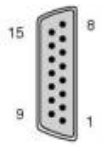
| Figure | X11 | Pin | Name | Function | |
|---|---|---|---|---|---|
| | | | | EnDat mode | Incremental mode |
|  |  | 1 | A | Channel A | |
| | | 2 | COM (1, 3 - 9, 11, 13 - 15) | Encoder supply 0 V | |
| | | 3 | B | Channel B | |
| | | 4 | +5V out / 0.25A | Encoder supply +5 V | |
| | | 5 | D | Data 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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