

Connection of Rutex R2030 servo drive to Sanyo-Denki P50B08100VCKS7 motor.

Motor winding + Power (J4)

J4 Pin No.	Signal Name	Motor wire color
1	+Vm	[external Vm – positive terminal]
2	0V	[external Vm – negative terminal]
3	Phase – S	Black
4	Phase – T	White
5	Phase – R	Red

Commutation F/B – ‘halls’ (J3)

J3 pin No. or R2211 pin No.	R2211 marking on Terminal block.	Signal name	Encoder wire color
1	B	Hall B-	Brown/black
2	/B	Hall B+	Blue/black
3	A	Hall A+	Green/Black
4	5V	+DC 5V	Red
5	0V	GND	Black
6	/A	Hall A-	Purple/black
7	I	Hall C+	Red/Black
8	/I	Hall C-	Yellow/Black

Encoder F/B – ‘halls’ (J2)

J3 pin No. or R2211 pin No.	R2211 marking on Terminal block.	Signal name	Encoder wire color
1	B	B+ Channel	Blue
2	/B	B- Channel	Brown
3	A	A+ Channel	Purple
4			Not connected
5			Not connected
6	/A	A- Channel	Green
7	I	I+ Channel	White
8	/I	I- Channel	Yellow

Notes:

- Do not forget to connect the DC24V to the brake – optionally via the E-stop.
- The R2211 marking applies to revision 2211-0409. This revision has swapped marking between pin 1 and 2 (B <=> /B). Future revision will have corrected this ‘typo’ mistake.