



Figure 2.1 Wiring diagram CN5

Cable assignment and meaning

Pin 1)	Colour	A/B/I signal	Meaning of A/B/I	PULSE signal	Meaning of PULSE	ESIM signal	Meaning of ESIM
1	white	ENC_A	Encoder signal channel A	PULSE	Motor step "Pulse"	ESIM_A	Channel A
6	brown	ENC_A	Channel A, inver- ted	PULSE	Motor step "Pulse", inverted	ESIM_A	Channel A, inver- ted
2	green	ENC_B	Encoder signal channel B	DIR	direction of rota- tion "DIR"	ESIM_B	Channel B
7	yellow	ENC_B	Channel B, inver- ted	DIR	direction of rota- tion "Dir", inverted	ESIM_B	Channel B, inver- ted
3	grey	ENC_I	Channel index pulse	ENABLE	Enable signal	ESIM_I	Index pulse
8	pink	ENC_I	Channel index pulse, inverted	ENABLE	Enable signal, inverted	ESIM_I	index pulse, nega- ted
4	red	ACTIVE2_OUT	Drive ready	ACTIVE2_OUT	Drive ready	ACTIVE2_OUT	Drive ready
9	blue	POS_0V	Reference poten- tial	POS_0V	Reference poten- tial	POS_0V	Reference poten- tial
5	Shield			Shield		Shield	
10	nc	not assigned	nc	not assigned	nc	not assigned	

1) Information on colour refers to the wires available as accessories.