

	COUNTAI	CABLE HARNESS - 2 KNITI V12				Model.	SUPER NOVA V12	
					Doc.No.	EE-CK-SS-A001		
					Rev.No.	26-09-2025		
1 Relay Output M12								
	Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	1st End	2nd End
	1	COM	Brown	0.5 sqmm	630	0.5	O-Crimp	O-
	2	NO	White	0.5 sqmm	630	0.5	O-Crimp	O-
	4	NC	Black	0.5 sqmm	630	0.5	O-Crimp	O-
2 Relay Input								
	Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	1st End	2nd End
Loop		R-5V	Brown	0.5 sqmm	840	0.5	S-Crimp	O-Crimp
		R-0V	Blue	0.5 sqmm	840	0.5	S-Crimp	O-Crimp
		DO1	White	0.5 sqmm	840	0.5	S-Crimp	O-Crimp
3 Opto coupler Output								
	Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	1st End	2nd End
Loop		R-0V	Blue	0.5 sqmm	330	0.5	O-Crimp	O-Crimp
		DI1	Black	0.5 sqmm	330	0.5	O-Crimp	O-Crimp
4 Opto coupler Input M12								
	Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	1st End	2nd End
	1	12V	Brown	0.5 sqmm	210	0.5	S-	O-
	2	0V	Blue	0.5 sqmm	210	0.5	S-	O-
	3	0V	Blue	0.5 sqmm	340	0.5	S-Crimp	O-
	4	DI1	Black	0.5 sqmm	340	0.5	S-Crimp	O-
5 Blower Fan								
	Conn. Pin	Ferrule No.	Colour	Wire size	Len.mm	PS. Size	1st End	2nd End
		B-12V	Brown	0.5 sqmm	400	0.5	S-Crimp	O-
		B-0V	Blue	0.5 sqmm	400	0.5	S-Crimp	O-
6 Light M12								
	Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	1st End	2nd End
	1	12V	Brown	0.5 sqmm	240	0.5	S-	O-
	2	0V	Blue	0.5 sqmm	240	0.5	S-	O-
	3	12V	Brown	0.5 sqmm	240	0.5	S-	O-
	4	0V	Blue	0.5 sqmm	240	0.5	S-	O-
7 Moniter								
	Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	1st End	2nd End
		D-12V	Brown	0.5 sqmm	280	0.5	S-Crimp	O-
		D-0V	Blue	0.5 sqmm	280	0.5	S-Crimp	O-
8 SMPS								
	Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	1st End	2nd End
O - LOOP		12V	Brown	0.5 sqmm	410	0.5	O-Crimp	S-Crimp
		12V	Brown	0.5 sqmm	410	0.5	O-Crimp	S-Crimp
O - LOOP		0V	Blue	0.5 sqmm	410	0.5	O-Crimp	S-Crimp
		0V	Blue	0.5 sqmm	410	0.5	O-Crimp	S-Crimp

Light								
Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	No.of core	1st End	2nd End
	12V	Red	1 sqmm	2000	1	2 core	Crimp	Crimp
	0V	Black	1 sqmm		1		Crimp	Crimp
Light								
Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	No.of core	1st End	2nd End
	12V	Red	1 sqmm	2000	1	2 core	Crimp	Crimp
	0V	Black	1 sqmm		1		Crimp	Crimp
Sensor								
Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	No.of core	1st End	2nd End
	12V	Brown	0.25 sqmm	2000	0.5	3 core	Conn	Crimp
	0V	Blue	0.25 sqmm		0.5		Conn	Crimp
	DI1	Black	0.25 sqmm		0.5		Conn	Crimp
Relay								
Conn. Pin	Ferrule No.	Colour	Wire size	Length mm	PS. Size	No.of core	1st End	2nd End
	COM	Brown	0.25 sqmm	2000	0.5	3 core	Conn	Crimp
	NO	White	0.25 sqmm		0.5		Conn	Crimp
	NC	Black	0.25 sqmm		0.5		Conn	Crimp

IEC Electrical wiring color code standard
International Electrotechnical Commission (IEC) IEC 60445:2021.

Single-Phase AC (IEC Standard)

Function	Label	Colour
Line / Phase	L	Red
Neutral	N	Black
Protective Earth	PE	Green-Yellow

DC Power System

Function	Label	Colour
Positive	(+)	Brown
Negative	(-)	Blue

Control Cable colour code		Control Cable colour code	
1	Brown	1	Red
2	Blue	2	Black
3	White	3	Yellow/Green
4	Black		