

4-axis typeII deconcentrator connector I/O distribution list

Terminal assignment upper the splitter				terminal assignment under the splitter			
S/N	terminal symbol	terminal wiring illustration	I/O note	S/N	terminal symbol	terminal wiring illustration	I/O note
1	C1	X-axis pulse plus	IPC differential plate input signal	1	101A	through KMT-1 point+24Vterminal	1K01power through KMT-1point+24Vterminal(wire NO. 101A)
2	C2	X-axis pulse minus		2	0V(102)	power0V(102)terminal	1K01power0Vterminal(wire NO.102)
3	C3	X-axis direction plus		3	BY1	duplicate relay	duplicate relay normally open point export
4	C4	X-axis direction minus		4	BY1	duplicate relay	duplicate relay normally closed point export
5	C5	Y1-axis pulse plus		5	GYD	duplicate relay public	duplicate relay normally open, closed point public end
6	C6	Y1-axis pulse minus		6	BY	duplicate relay	duplicate relay negative coil end(DC24Vnegative)
7	C7	Y1-axis direction plus		7	2160	KMTpower+24Vgeneratrix	KMTpower+24V generatrix(wire NO. 2160)
8	C8	Y1-axis direction minus		8	225	power0Vterminal	HP generator 2K01power0V terminal (wire NO. 225)
9	C9	Z-axis pulse plus		9			
10	C10	Z-axis pulse minus		10	25A	table and HP stop connection terminal	table and HP emergency stop tandem terminal(wire NO.25A)
11	C11	Z-axis direction plus		11			
12	C12	Z-axis direction minus		12	3030	KMT remote emergency stop one side of switch	KMT remote emergency stop switch one side wire NO.
13	C13	Y2-axis pulse plus		13			
14	C14	Y2-axis pulse minus		14	3031	KMT remote emergency stop the other side of switch	KMT remote emergency stop switch the other side wire NO.
15	C15	Y2-axis direction plus		15			
16	C16	Y2-axis direction minus		16			
17	C17	C-axis pulse plus		17			
18	C18	C-axis pulse minus		18	0V	power0Vterminal	1K02 power 0V terminal(wire NO.125)
19	C19	C-axis direction plus		19			
20	C20	C-axis direction minus		20			
21	C21			21			
22	C22			22			
23	C23			23			
24	C24			24	+24V	power+24Vterminal	1K02 power+24V terminal(wire NO. 124)
25	BY1	duplicate relay	duplicate relay normally open export	25			
26	BY1	duplicate relay	duplicate relay normally closed export	26			
27	GYD	duplicate relay public	duplicate relay normally open, closed public end	27			
28	BY	duplicate relay	duplicate relay negative coil end (DC24Vcathode)	28	QF(10)	air valve	air valve relay normally open point export terminal(wire NO.10)
29	+24V	power+24V(101)terminal	1K01power+24Vterminal(wire NO.101)	29	QF	air valve	air valve relay normally closed point export terminal
30	0V	power0V(102)terminal	1K01power0Vterminal(wire NO.102)	30	SF(11)	abrasive valve	air valve relay normally open point export terminal(wire NO.11)
31	BZ	Brake signal	Z-axis or other axis driver brake output signal	31	SF	avrasive valve	air valve relay normally closed point export terminal
32	XFW	X-axis alarm reset	every axis drive alarm reset input signal	32	YB	oil pump on/off	oil pump relay normally open point export terminal(APW wire NO.0202,KMT wire NO.120.0)
33	Y1FW	Y1-axis alarm reset		33	YB	oil pump on/off	oil pump relay normally closed point export terminal
34	ZFW	Z-axis alarm reset		34	GY	HP on/off	HP relay normally open point export terminal(APW wire NO.0203)
35	Y2FW	Y2-axis alarm reset		35	GY	KMT high and low voltage conversion	HP relay normally closed point export terminal(KMT+PESS wire NO.120.1)
36	AFW	A-axis alarm reset		36	KYB	KMT oil pump on	KMT oil pump relay normally open point export terminal
37	CFW	C-axis alarm reset		37	KYB	KMT oil pump off	KMT oil pump relay normally closed point export terminal(KMT wire NO.120.2)
38			1K02power0Vterminal(wire NO.125)	38	11		the spare terminal of open-collector output
39				39	30		
40				40	12		
41				41	31		
42				42	13		
43				43	32	spare terminal	
44			1K02power+24Vterminal(wire NO.124)	44	14		the spare terminal of open-collector output
45				45	33		
46				46	17		
47				47	36		
48				48	8(120)	emergency stop	emergency stop(normally open point) input signal(wire NO.120)
49				49	8(120)	emergency stop	emergency stop(normally open point) input signal(wire NO.120)
50	33		open collector standby terminal output	50	26	Z-axis positive limit	Z-axis positive limit input signal
51	14			51	7	Z-axis negative limit	Z-axis negative limit and Z-axis origin input signal
52	32			52	25	Y-axis positive limit	Y-axis positive limit input signal
53	13			53	6	Y-axis negative limit	Y-axis negative limit and Y-axis origin input signal
54	31			54	24	X-axis positive limit	X-axis positive limit input signal
55	12			55	5	X-axis negative limit	X-axis negative limit and X-axis origin input signal
56	30			56	23		
57	11			57	4	C-axis origin	C-axis origin input signal
58	27 *	Y1-axis servo alarm	Y1-axis servo fault alarm input signal	58	22	Z-axis positive point move	Z-axis positive point move or servo (SDA) input signal
59	23			59	3	Z-axis negative point move	Z-axis negative point move or servo (SDA) input signal
60	4	C-axis origin	C-axis origin input signal	60	21 *	C-axis servo alarm	C-axis servo driver fault alarm input signal
61	22 *	Z-axis positive point move	Z-axis positive point move and servo(SDA)input signal	61	2 *	Z-axis servo alarm	Z-axis servo driver fault alarm input signal
62	3 *	Z-axis negative point move	Z-axis negative point move and servo(SDA)input signal	62	20 *	Y1-axis servo alarm	Y1-axis servo driver fault alarm input signal
63	21 *	C-axis servo alarm	C-axis servo fault alarm input signal	63	1 *	X-axis servo alarm	X-axis servo driver fault alarm input signal
64	2 *	Z-axis servo alarm	Z-axis servo fault alarm input signal	64	9,19,28	link+24Vterminal	link 1K02power+24Vterminal(wire NO.124)
65	20 *	Y-axis servo alarm	Y1-axis servo fault alarm input signal	65	10,29	link 0V terminal	link 1K02power0V terminal(wire NO.125)
66	1 *	X-axis servo alarm	X-axis servo fault alarm input signal	66			

Note:If install the servo system, the Z-axis cannot inching and remote control.

1 20,2 21, are all alarm location.