

## Connector input / output signals

PIN	I/O No.	Name	Note	PIN	I/O No.	Name	Note
1	DI05	I/O command execution trigger input		27	COMMON	Relay common	
2	DI01	Servo ON input		28	DO01b	CPU_OK (B contact)	
3	DI10	Sequence control		29	DO01a	CPU_OK (A contact)	
4	DI11	Interlock		30	DO02b	Servo ON output (B contact)	(Relay output)
5	DI12	Program start		31	DO02a	Servo ON output (A contact)	Maximum capacity of each terminal (resistance load)
6	DI13	AUTO mode input		32	DO03b	Alarm (B contact)	: DC 24V 0.5A
7	DI14	Return-to-origin		33	DO03a	Alarm (A contact)	Common terminal
8	DI15	Program reset		34	DO10	AUTO mode output	: COMMON
9	DI16	MANUAL mode input		35	DO11	Return-to-origin complete	
10	DI17	Absolute reset / Return-to-origin	Common terminal	36	DO12	Sequence program in-progress	
11	DI20	General input 20	: P.COMDI	37	DO13	Robot program in-progress	
12	DI21	General input 21	N.COMDI	38	DO14	Program reset	
13	DI22	General input 22		39	DO20	General output 20	
14	DI23	General input 23	(Photo-coupler input)	40	DO21	General output 21	(Transistor output)
15	DI24	General input 24	NPN specification	41	DO22	General output 22	NPN specification or PNP specification
16	DI25	General input 25	: Source type	42	DO23	General output 23	Maximum capacity of each terminal (resistance load): 0.1A
17	DI26	General input 26	PNP specification	43	DO24	General output 24	+Common terminal: DC+24V
18	DI27	General input 27	: Sink type	44	DO25	General output 25	- Common terminal: GND
19	DI30	General input 30		45	DO26	General output 26	
20	DI31	General input 31		46	DO27	General output 27	
21	DI32	General input 32		47	DC24V	DC+24V (P.COMDI)	External power supply input
22	DI33	General input 33		48			
23	DI34	General input 34		49	GND	GND (N.COMDI)	
24	DI35	General input 35		50			
25	DI36	General input 36					
26	DI37	General input 37					

## SAFETY connector signals

Terminal number	RPB connected		RPB-E connected	
	I/O No.	Name	I/O No.	Name
1	DI02	SERVICE mode	DI02	SERVICE mode
2	MP READY	Motor power ready signal	MP READY	Motor power ready signal
3	E-STOPIN 1	Emergency stop input 1	E-STOPIN 1	Emergency stop input 1
4	E-STOPIN 2	Emergency stop input 2	E-STOPIN 2	Emergency stop input 2
5	NC	NC	E-STOPIN 3	Emergency stop input 3
6	NC	NC	E-STOPIN 4	Emergency stop input 4
7	NC	NC	LCKIN 1	Enabling switch input 1
8	NC	NC	LCKIN 2	Enabling switch input 2
9	NC	NC	LCKIN 3	Enabling switch input 3
10	NC	NC	LCKIN 4	Enabling switch input 4
11	P.COM	DC+24V (P.COM DI)	P.COM	DC+24V (P.COM DI)
12	N.COM	GND (N.COM DI)	N.COM	GND (N.COM DI)
13	E-STOP 24V	Emergency stop input supply	E-STOP 24V	Emergency stop input supply
14	E-STOPRDY	Emergency stop READY signal	E-STOPRDY	Emergency stop READY signal
15	NC	NC	NC	NC