

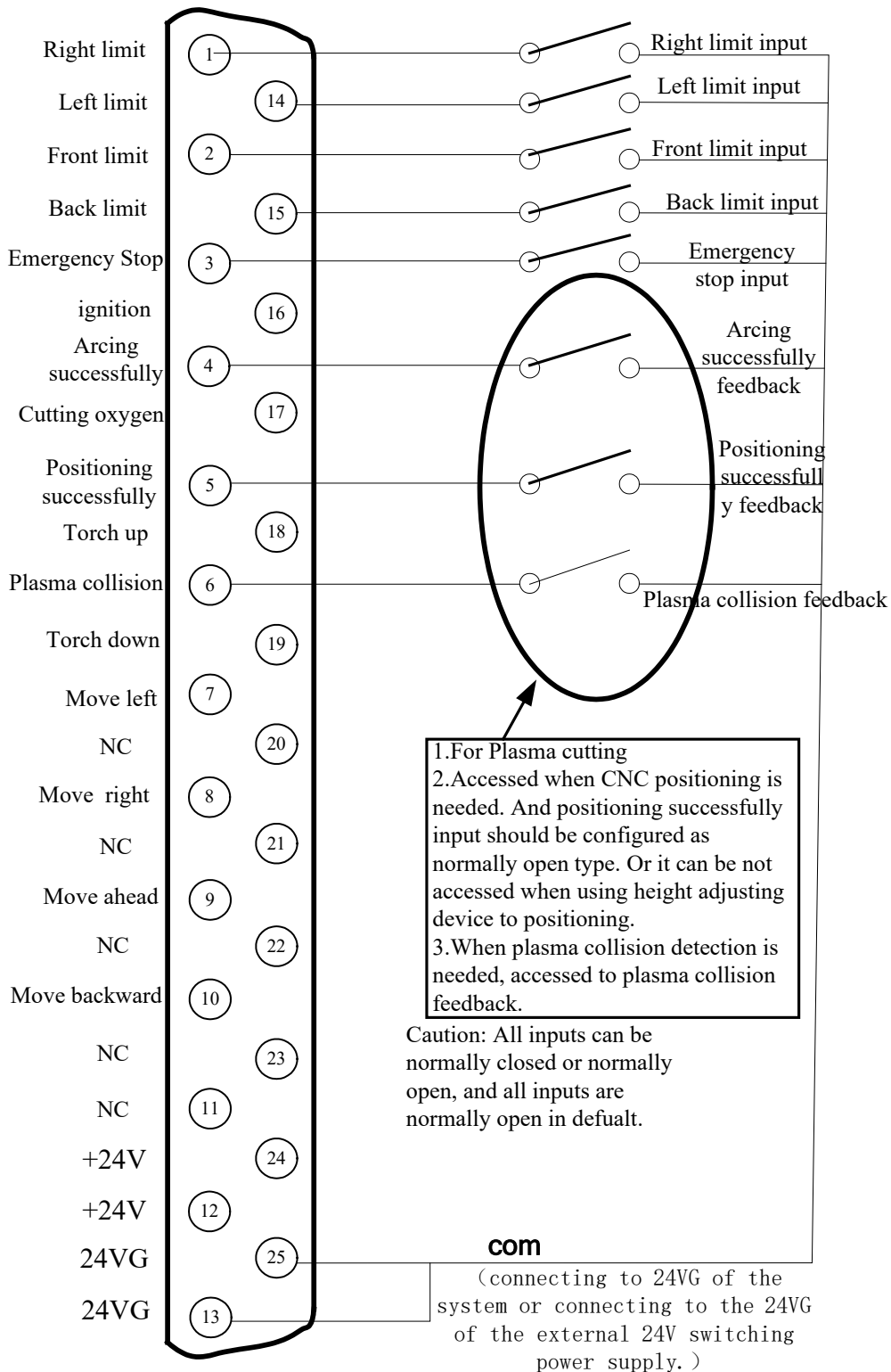
System plug definition description-F2100B



➔ Input port definition CN1

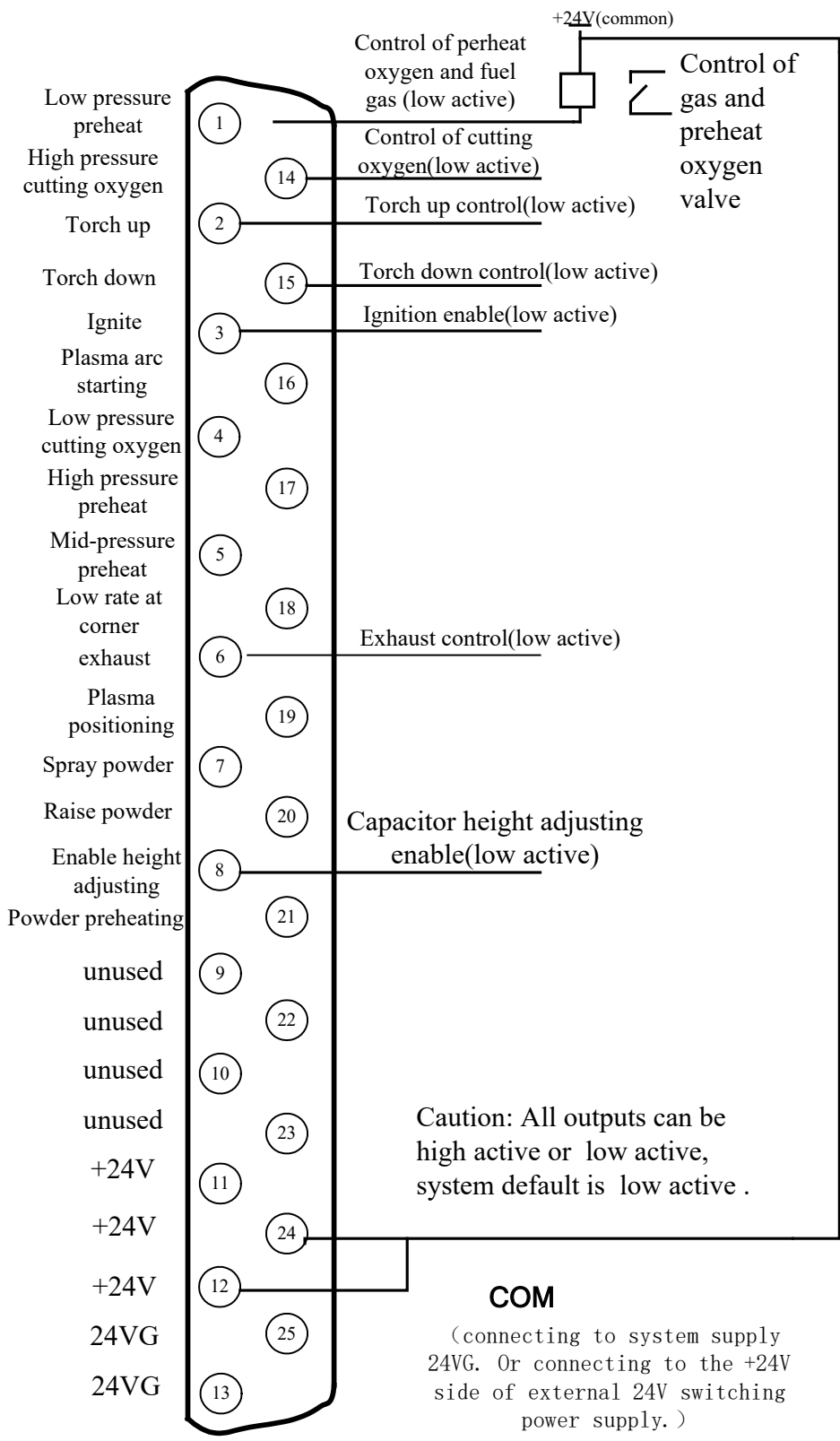
Pin number	Signal name	remark
1	X+ limit	X+ stop input, float it if not use, this is horizontal
14	X- limit	X- stop input, float it if not use, this is horizontal
2	Y+ limit	Y+ stop input, float it if not use, this is vertical
15	Y- limit	Y- stop input, float it if not use, this is vertical
3	Emergency stop	Emergency stop input, float if not use
4	Arcing successfully	
5	Positioning successfully	
6	Plasma collision	
7	Move left/C	Remote control input
8	Move right/D	Remote control input

➔ Input port definition CN1



➔ Output port definition CN2

25 interface Pins No.	Signal	Remark
3	Ignite	
1	Low pressure preheat	
17	High pressure preheat	
4	Low pressure cutting oxygen	
5	Medium pressure cutting oxygen	
14	High pressure cutting oxygen	
2	Torch up	
15	Torch down	
6	Exhaust	
8	Enable high adjusting box	
19	Plasma locating	
16	Plasma arc starting	
18	Corner low-speed output Or automatic / manual	
07	Spray dust	
20	Raise dust	
21	Dusting Preheat	
9, 10, 22, 23	Not used	
11,12,24	+24V	+24V/3Aoutput
13,25	24VG	+24Vground



Output port definition

→ Motor port definition CN3

Number of the 15 pin interface	signal	Remarks
1	XDIR+	Positive at the horizontal axis
9	XDIR-	Negative at the horizontal axis
2	XCP+	Positive pulse at the horizontal axis
10	XCP-	Negative pulse at the horizontal axis
3	YDIR+	Positive at the vertical axis
11	YDIR-	Negative at the vertical axis
4	YCP+	Positive pulse at the vertical axis
12	YCP-	Negative pulse at the vertical axis
5	ZCP+	Positive pulse at the perpendicular axis
13	ZCP-	Negative pulse at the perpendicular axis
6	ZDIR+	Positive at the perpendicular axis
14	ZDIR-	Negative at the perpendicular axis
7	+5V	+5V/500mA Power output
15,8	5VG	5V Power Ground

Service Support Spirit

Connection Methods for Differential Stepper Driver

