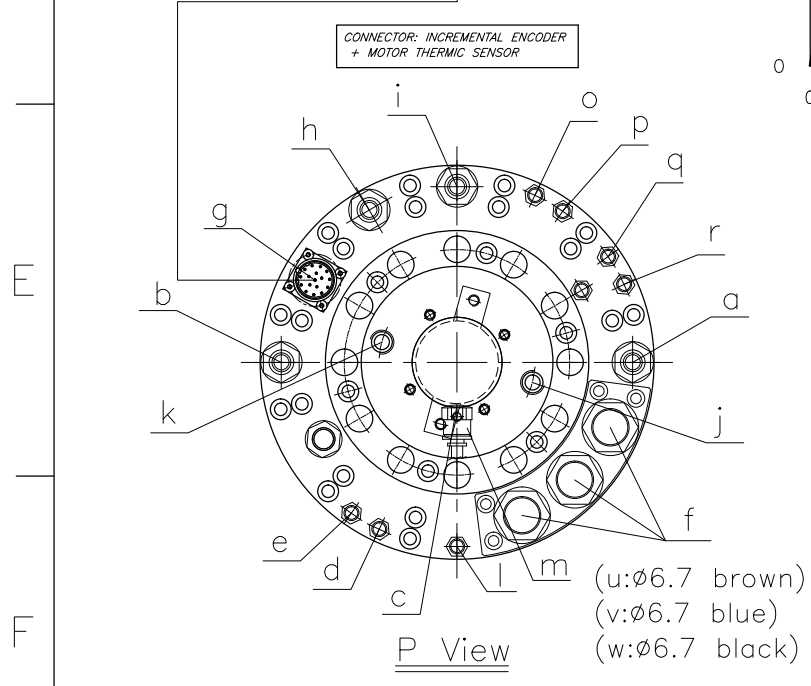
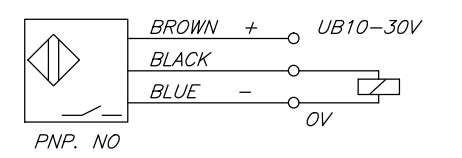


Condition	Tool Unclamping	Tool Clamping	Without Tool
S1	1	0	0
S2	0	1	0
S3	0	1	1

1 : The guiding light turn on
0 : The guiding light turn off

*tool sensor:



Spindle max. speed : 24000 RPM
Motor number of Pole : 4 pole

Mode of operation	S1/100%				S6/60% ts=2min							
	V	A	Hz	rpm	kW	Nm	V	A	Hz	rpm	kW	Nm
Voltage	255	380	380	380	255	380	380	380	255	380	380	380
Current	58	54	36	23	66	48	42	25	66	48	42	25
Frequency	100	149	580	800	100	149	530	800	100	149	530	800
Shaft speed	2860	4480	16410	23660	2840	4380	15470	23620	2860	4480	16410	23660
Shaft power	18.5	18.5	18.5	11.5	21.5	21.5	21.5	12.5	21.5	21.5	21.5	12.5
Torque	61.8	39.4	10.8	4.6	72.3	46.9	13.3	5.1	72.3	46.9	13.3	5.1

a,b	Cutting coolant(P1/4-PH1/2)		
c	Taper clean C.T.S. coolant inlet(PF1/4)		
d	Air seal(P1/8- $\phi 6$)		
e	Front brg. temp. cable(P1100)		
f	Power cable	Max. speed	24K rpm
g	Encoder cable	Tool system	HSK A63
h	Cooling out(P1/4-PH1/2)	Clamping force	18 kN
i	Cooling in(P1/4-PH1/2)	Front bearing ID	$\phi 70$
j	Tool unclamping hydraulic(P1/4-PH3/8)	Lubrication	Oil-Air
k	Tool clamping hydraulic(P1/4-PH3/8)	Cooling system	Water with additive
l	Oil-air drainage(P1/8- $\rightarrow \phi 4$)	Oil volume max.	90 cm ³
m	C.T.S. Drainage	Hydraulic	45~60 kgf/cm ²
o,p,q,r	Bearing lubrication(P1/8- $\phi 4$)	The spindle type	C.T.S

ver. coordinates	Changing content	Modified by	date	PERMISSIBLE MACHING BASIC DIMENSION DEVIATIONS						DRAWN	CHECKED	MATERIAL	SCALE	1:4	DWG.NO.
				>0	>6	>30	>120	>400	>1000						
				>0	>6	>30	>120	>400	>1000	DESIGNED					NAME
				± 0.05	± 0.10	± 0.15	± 0.20	± 0.30	± 0.50	CHECKED					DWG.NO.
															243A000_DIM

