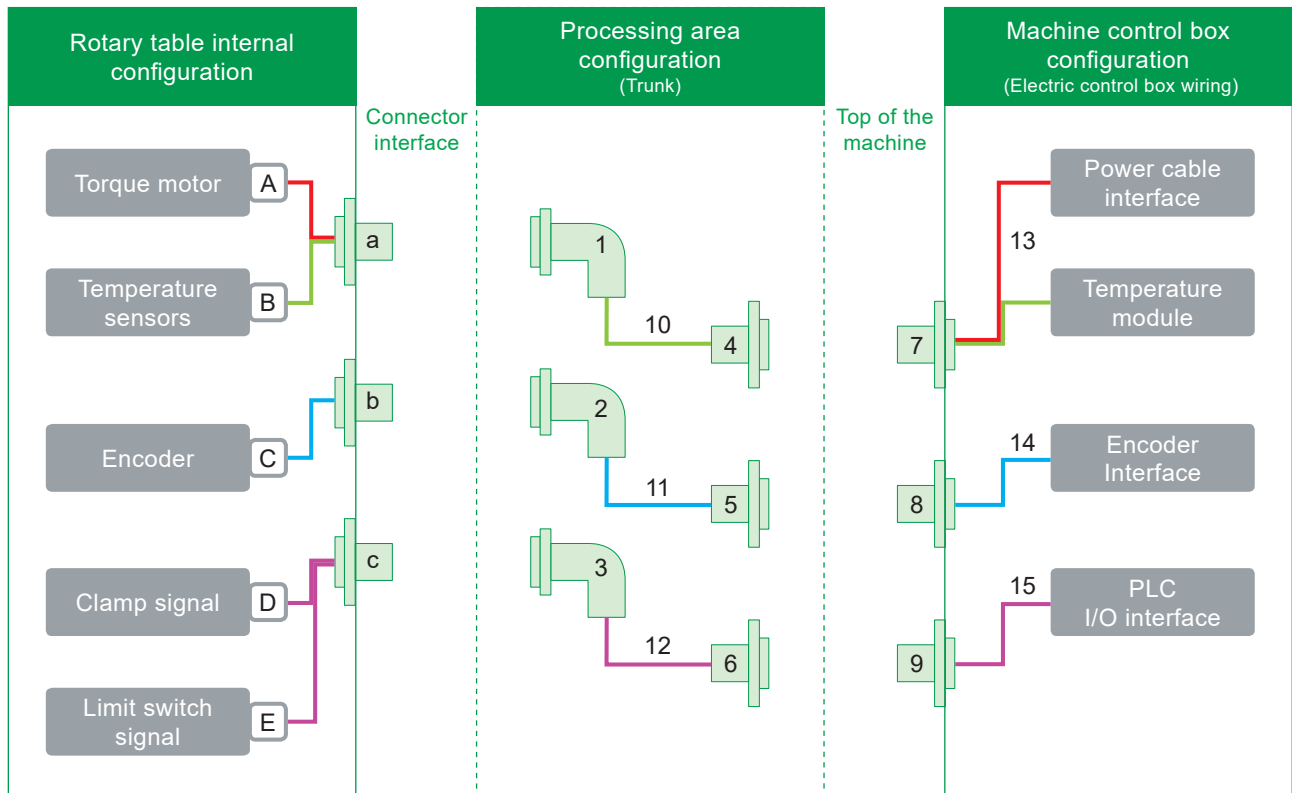


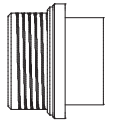
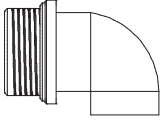
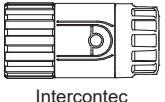
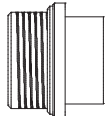
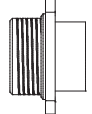
Torque Motor Rotary Table Connector Specifications



- ※1: The internal configuration may differ in different models.
- ※2: Dashed lines can be omitted according to different machine.
- ※3: 1 ~ 15 are the optional accessories, please refer to the accessories {Table 1,2}.
- ※4: If connector is in working area, please select military type connector.


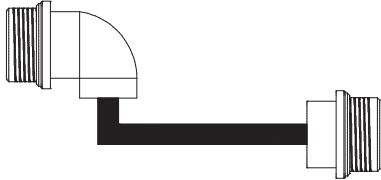



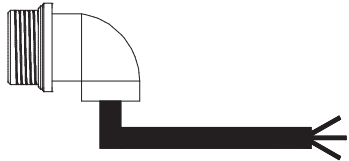

Torque Motor Rotary Table Connector Table

Table 1: Rotary table connector

No.	Name	Model	Description
(1) (2) (3)	Straight military Connector	MS3106A-20-4S、MS3106A-16S-1S MS3106A-20-29S、MS3106A-18-10S MS3106A-22-22S、MS3106A-22-23S	
	90 degree military Connector	MS3108A-20-4S、MS3108A-16S-1S MS3108A-20-29S、MS3108A-18-10S MS3108A-22-22S、MS3108A-22-23S	
	European Connector	CSTA265FR01450001000 CSTA263FR42440001000 BSTA082FR06590235000 BSTA896FR0986202A000 ASTA046FR0187050A000	 Intercontec
(4) (5) (6)	Straight military Connector	MS3106A-20-4S、MS3106A-16S-1P MS3106A-20-29P、MS3106A-18-10P MS3106A-22-22P、MS3106A-22-23P	
(7) (8) (9)	Flange military Connector	MS3102A-20S-4S、MS3102A-16S-1S MS3102A-20-29S、MS3102A-18-10S MS3102A-22-2S、MS3102A-22-23S	

Cable Selection For Torque Motor Rotary Table

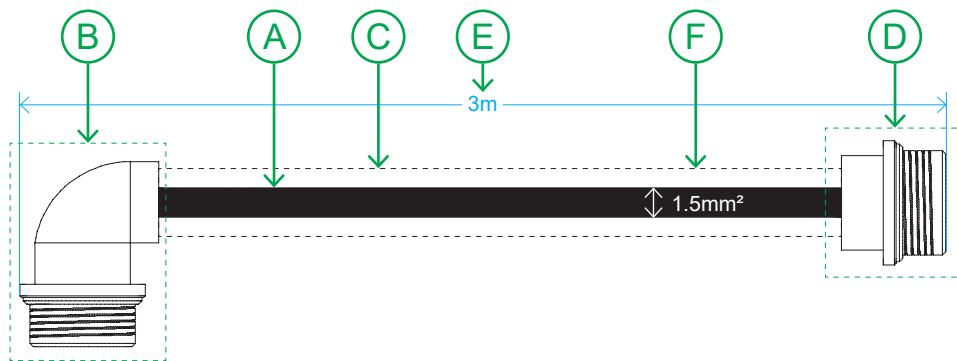
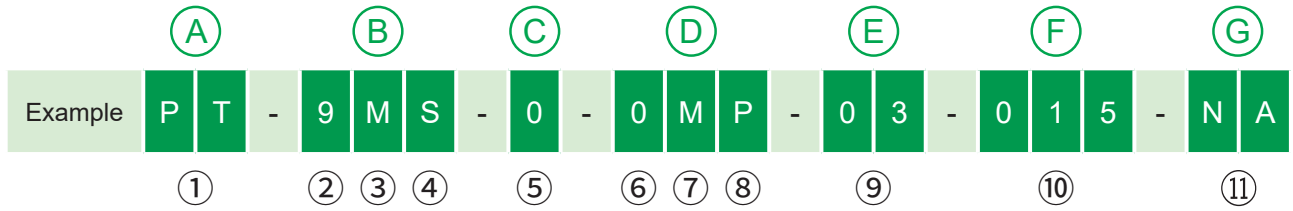
Table 2 : Cable Selection Table

Item No.	Item	Model	Schematic
(10) (11) (12)	Junction cable	□□ -0MS- □ -0MP- □□ - □□□ - □□	 Type: MS3106(Female) → MS3106(Male)
		□□ -9MS- □ - 0MP- □□ - □□□ - □□	 Type: MS3106(Female) → MS3106(Male)
		□□ -0ES- □ - 0MP- □□ - □□□ - □□	 Type: Europe connector(Female) → MS3106(Male)
(13) (14) (15)	Electric box cable	□□ -0MS- □ - 00P- □□ - □□□ - □□	 Type: MS3102(Female) → Discrete wiring(Europe insulated cord)
		□□ -0MS- □ - 00P- □□ - □□□ - □□	 Type: MS3106(Female) → Discrete wiring(Europe insulated cord)
		□□ -9MS- □ - 00P- □□ - □□□ - □□	 Type: MS3108(Female) → Discrete wiring(Europe insulated cord)
		□□ -0ES- □ - 00P- □□ - □□□ - □□	 Type: Europe connector(Female) → Discrete wiring(Europe insulated cord)

- ※ Note1: Provide selective one-piece cable connector including (power cable, encoder cable, clamping signal, pneumatic tube).
- ※ Note2: Provide optional HEIDENHAIN encoder signal cable.
- ※ Note3: Please refer to appendix below for model selection.

Cable Selection For Torque Motor Rotary Table

Cable Selection Table Appendix



① Wire		② Direction		③ Connector type		④ Pin type		⑤ Protective material		⑥ Direction		⑦ Connector type		⑧ Pin type		⑨ Length		⑩ Wire diameter		⑪ Note	
PT		-	9	M	S	-	0	-	0	M	P	-	03	-	015	-	NA				
PC	Power cable	0	Straight	M	Military type	P	Male pin	N	Nylon tube(NL206)	0	Straight	M	Military type	P	Male pin	2	2 Meters	007	0.75 mm ²	NA	None
PT	Power cable with temperture sensor	9	90 degree	E	Europe type	S	Female pin	7	PVC pipe(PT706)	9	90 degree	E	Europe type	S	Female pin	3	3 Meters	015	1.5mm ²	00	SMC40
ST	Clamping signal with temperture sensor			H	Heavy duty type			2	Stainless steel wire(NK206)			H	Heavy duty type			6	6 Meters	025	2.5mm ²	01	SME125
EC	Encoder signal cable							0	None			N	Mitsubish type			9	9 Meters	040	4.0mm ²	02	M12
ET	Encoder signal cable with temperture sensor											F	Fanuc type			11	11 Meters	060	6.0mm ²	03	M23
TC	Temperture sensor cable											C	Siemens type					100	10mm ²	04	623
OT	Other											S	Synyc type					000	Signal cable	05	617
												0	Discrete wiring							06	A9777
																				07	14S-2
																				08	D-SUB

Selection Table For Torque Motor Rotary Table

Table 3 : Controller Selection For Rotary Table

Controller \ Type	RAB series	RAS series	RCV series	RCH series
FANUC	■ + ⊙	■ + ⊙	■ + ⊙	■ + ⊙
MITSUBISHI	○	○	○	○
SIEMENS	○	○	○	○
HEIDENHAIN	○	○	○	○
NUM	○	○	○	○
Syntec	▲	▲	○	○
Lynuc	○	○	○	○
Huazhong CNC	○	○	○	○
GSK	○	○	○	○

※ Note: ○ Means the controller supports the communication of the rotary table.
 ▲ Means partially support, further information please contact HIWIN.
 ■ Indicates that it requires to apply for the motor parameters from the original controller supplier.
 ⊙ Indicates that it requires to apply for motor pole detection function from the original controller supplier.

Table 4 : Encoder Selection For Rotary Table

Encoder \ Type	RAB series	RAS series	RCV series	RCH series
HEIDENHAIN	○	○	○	○
RENISHAW	-	-	○	○
NIKON	-	-	○	○

※ Note: For encoder accuracy and repeatability, please refer to the encoder supplier technical data.
 ○ Indicates that the series of Rotary Table can be compatible with this encoder manufacturer.
 - Indicates that the series of Rotary Table is not compatible with this encoder manufacturer.

Table 5 : Controller Selection For Encoder

Controller \ Encoder	HEIDENHAIN	RENISHAW	NIKON
FANUC	○	○	X
MITSUBISHI	○	○	X
SIEMENS	○	○	X
HEIDENHAIN	○	X	X
NUM	○	○	X
Syntec	○	○	○
Lynuc	○	○	X
Huazhong CNC	○	○	X
GSK	○	X	X

※ Note: ○ Indicates that this controller is compatible with the encoder.
 X Indicates that the controller is not compatible with the encoder.