



TMPlug&Play
CERTIFIED

Order example of pneumatic gripper

MCTA — J66 — TM

MODEL

1
GRIPPER
SPEC.

2
ARM
SPEC.

1

Gripper spec.	Model	Description
J66	MCHJ-66	3 finger
S80	MCHS-80	2 finger

2

Arm spec.	Brand
TM	TM Robot (TM5/12/14)

Order example of accessory kits

No.	Model Order example Part name	Accessory kits & Q'y	
		MCTA-J66	MCTA-S80
		AK-MCTA-J66-TM	AK-MCTA-S80-TM
1	Hex bolt (M5)	4	4
2	Hex bolt (M6)	4	4
3	PIN	4	4
4	Centering sleeve	6	4

			
Hex bolt (M5)	Hex bolt (M6)	PIN	Centering sleeve

Features

- All-In-One module design with embedded solenoid valves and sensor switches.
- Only one I/O signal cable and one air tube is required. Plug and play.
- High reliability and simple operation compare with electric grippers.
- Integrated wires with power-off protection.
- Easy mounting design with threads and bolts.
- Magnetic as standard.

Specification

Model	MCTA-J66	MCTA-S80
Acting type	Double acting	
Body specification (mm)	66	80
Stroke per-jaw (mm)	6	8
Effective external gripping force(N) *1	188	285
Effective internal gripping force (N) *1	194	290
Close/Open time (s)	0.03	0.04
Medium	Air	
Operating pressure range	0.2~0.8 MPa	0.3~0.8 MPa
Ambient temperature	+5~+80°C	
Lubrication	Not required	
Sensor switch *2	RDFE: Non-contact	
Accessories	Accessory kits	
Weight (kg)	≈1.3	
Recom. work piece weight (kg) *3	3.8	2.6

*1. Under the condition of clamping length 40mm and operation pressure 0.6 MPa.

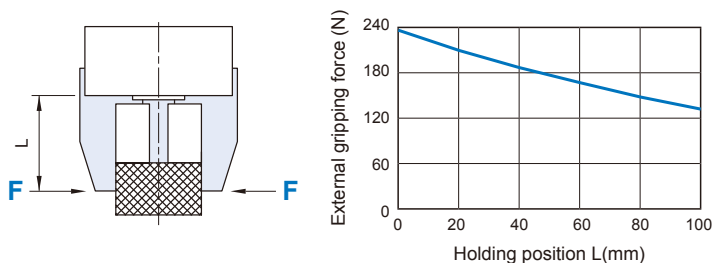
*2. RDFE specification, please refer to page 5-11.

*3. The weight limit of gripping workpiece depends on the load limit of robot arm and usage parameters.

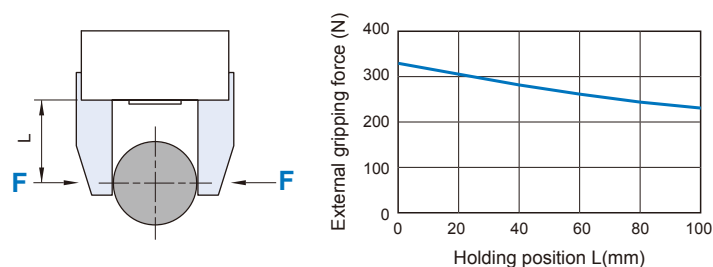
Holding force

* Operating pressure 0.6 MPa.

MCTA-J66

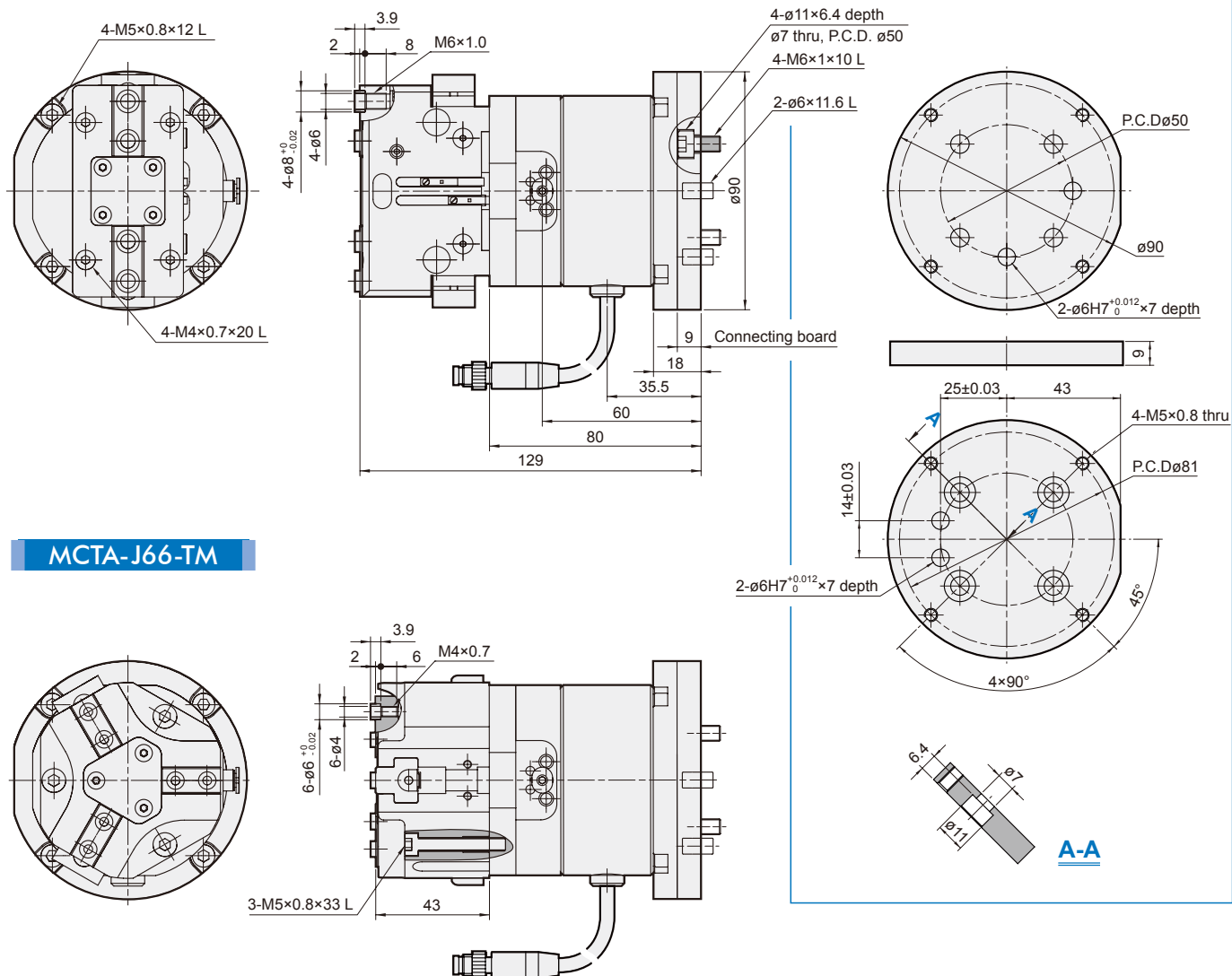


MCTA-S80



MCTA-S80-TM

Connecting board



PIN Define

8-PIN digital I/O connector of robot

PIN	8 PIN Define	Directions	Function
1	+24V	24V Output	—
2	DI_0	Digital Input0	Sensor switch (close)
3	DI_1	Digital Input1	Sensor switch (open)
4	DI_2	Digital Input2	—
5	DO_0	Digital output0	Solenoid valve (open)
6	DO_1	Digital output1	Solenoid valve (close)
7	DO_2	Digital output2	—
8	0v	0v	—

Built-in solenoid valve and sensor switch

