



Kawasaki Robot K-AddOn Registered Gripper 3-Finger Type

# RCKL-KW Series

With Speed Controller, Cylinder Switch

Connection Port Diameter:  $\phi 4$  One-touch Fitting



For suitable detailed model No.s, please see our website.

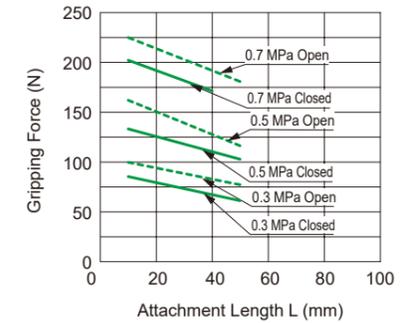
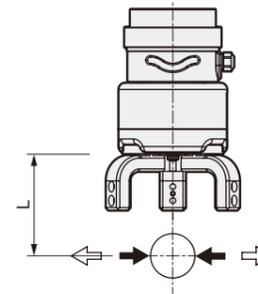
# RCKL-KW Series

Gripping Force Performance Data/External Dimensions

## Gripping Force Performance Data

- Gripping force represents the thrust (for one finger) in the direction of the arrow shown in the figure.
- This represents the gripping force acting in the opening and closing directions at a gripper's attachment length L when the supply pressure is 0.3, 0.5, and 0.7 MPa.

Open direction (←) (broken line)  
Closing direction (→) (solid line)



## Model No. Notation Method

**RCKL** - 40CS - **F** **Y3V** - KW

Model No. **1** Robot Flange **2** Accessories K-AddOn Registered Products

### 1 Robot Flange

Code	Content
Blank	No Robot Flange
F	With Robot Flange

Note) Robot flange mounting bolts included

### 2 Accessories

Code	Content
Blank	No Attachments
Y3	Attachment
V	Directional Control Valve • Tube

\*1 Material is aluminum alloy. (Weight is 50 g per piece)

\*2 The directional control valve is a  $\phi 4$  one-touch fitting (air supply port, A/B port) with silencer (R1/R2 port) and mounting plate. Tubes are  $\phi 4$  outer diameter, 2.5 m length x 2 pieces.

## Specifications

Item	RCKL
Bore size	mm $\phi 40$
Actuation method	Double Acting Type
Operating Fluid	Compressed Air
Max. Operating Pressure	MPa 0.7
Min. Working Pressure	MPa 0.3
Port Size	$\phi 4$ One-touch Fitting
Ambient Temperature	$^{\circ}\text{C}$ 5 to 50
Operating Stroke	mm 10
Repeatability	mm $\pm 0.01$
Weight	kg 1.1
Indicator LED	Blue/Green
Cylinder Switch	With T2H (Red LED ON when lit)

Note) For attachments manufactured to match workpieces, refer to P. 568.

## [Switch Specifications]

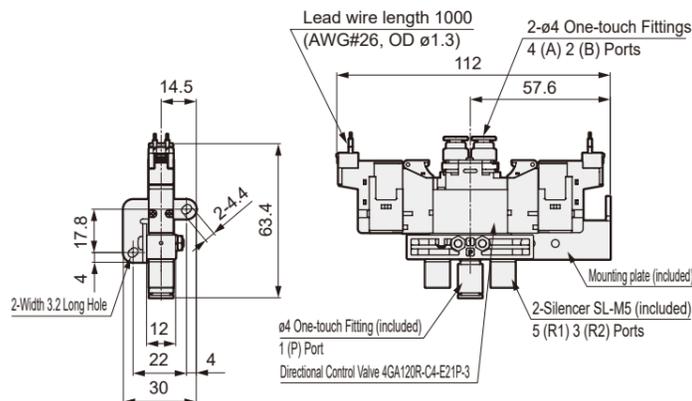
Item	Solid state 2-wire type	
	F2H	T2H
Applications	For programmable controller only	
Load Voltage/Current	10 to 30 VDC, 5 to 20 mA	
Leakage current	1 mA or less	
Shock resistance	980 m/s <sup>2</sup>	
Weight	g 10	18

## [Directional Control Valve (V) Specifications]

Item	4GA120R-C4-E21P-FLA28482-3-ST
Valve Type and Operation Method	Pilot Operated Soft Spool Valve
Switching Position Classification	2-position double solenoid
Max. Operating Pressure	MPa 0.7
Min. Working Pressure	MPa 0.2
Ambient Temperature	$^{\circ}\text{C}$ -5 to 55 (No freezing)
Fluid Temperature	$^{\circ}\text{C}$ 5 to 55
Manual Override	Non-lock/Lock Common Type
Response Time	ms 9
Flow Characteristics	P → A/B: C=1.2, b=0.47 A/B → R1/R2: C=0.72, b=0.37
Rated voltage	V 24 VDC
Voltage Fluctuation Range	$\pm 10\%$
Holding Current	A 0.017
Power Consumption	W 0.40
Surge Suppressor	Built-in
Indicator	Built-in Lamp

For other specification products, please refer to "Directional Control Valve ① (No.RJ-011AA)".

## Outline Dimension Drawing



## Outline Dimension Drawing

