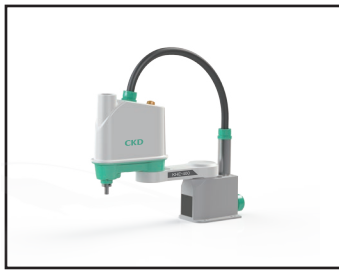




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SCARA robot

KHE-400

● Arm length: 400 mm (225 mm + 175 mm)

How to order

KHE - 400 N BNN - KSL3 P NN NN - N N

A Arm length
400 mm

B Z-axis stroke
*1 N Standard

C Option

NNN	None
*4 BNN	Lower bellows
CNN	Upper cap
TNN	Ceiling mount
WSN	Z-axis wiring shaft
*4 BCN	Lower bellows, top cap
*4 BCT	Lower bellows, top cap, ceiling mount
*4 BWS	Lower bellows, shaft for Z-axis wiring
*4 BTN	Lower bellows, ceiling mount
CTN	Top cap, ceiling mount
TWS	Z-axis wiring shaft, ceiling mount

D External signal polarity

N	N-Type (standard)
P	P-Type

E Robot controller cable

NN	3.5 m (standard)
05	5 m
08	8 m
10	10 m
15	15 m

F Network

NN	None
CC	CC-Link
DN	DeviceNet
PB	PROFIBUS
EN	EtherNet/IP
EC	EtherCAT
PN	PROFINET

G Expansion IO unit

N	0 units
1	1 units
2	2 units

H IO cable

N	None	*3
1	1 set	
2	2 set	
3	3 set	

*1 160 stroke.
*2 A unit with 28 inputs and 20 outputs.
*3 A 2-piece set with 6m cable length.
*4 KHL-TF (tool flange) is also required.

Product subject to the EAR (EAR99)

Specifications

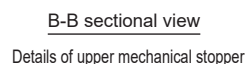
Model No.			KHE-400
Type			Horizontal articulation
Number of axes			4
Arm length			400 (225+175) mm
Operating range	1-axis	deg	±130
	2-axis	deg	±145
	3-axis (Z-axis)	mm	0 to 160
	4-axis (Z-axis rotation)	deg	±360
Max. speed	1-axis	deg/s	672
	2-axis	deg/s	780
	3-axis (Z-axis)	mm/s	1120
	4-axis (Z-axis rotation)	deg/s	1800
	*1 Synthesis	m/s	7.0
Cycle time (2kg load) *2			0.39 s
Max. load capacity			5 (Rating 1) kg
Allowable moment of inertia			0.06 kg·m ²
Position repeat			±0.01 mm
Accuracy *3	X-Y	mm	±0.01
	Z (3-axis)	mm	±0.01
			±0.007 deg
Hand wiring			8 input points/8 output points
Hand fitting			To be prepared by the customer
Position detection method			Absolute method
Robot controller cable			3.5 m
Power capacity			2.6 kVA
Body weight			15 kg

*1 There are restrictions on speed and acceleration depending on the operation pattern, load weight and degree of offset.

*2 300 mm in horizontal direction, 25 mm in vertical direction (reciprocating), rough positioning. Continuous operation exceeding the effective load factor is not allowed.

*3 One-way positioning repeatability when the ambient temperature and airframe temperature are constant. Not the absolute positioning accuracy. For X-Y and C, the values are at the Z upper limit. The track accuracy is not guaranteed.

● KHE-400



● Tool flange
Model No.: KHL-TF3

