

Electric Vacuum Gripper for Collaborative Robots

A vacuum gripper that doesn't require an air source

Unitization of the peripheral devices required for adsorption
Operation is possible by simply connecting 1 electrical cable

Built in

Vacuum pump

Atmospheric release valve

Pressure monitor

Lightweight: 556 g

A wide variety of pad variations are available to support a wide range of workpiece shapes.

Can be used with the collaborative robots of 4 companies

· UNIVERSAL ROBOTS

New OMRON/TECHMAN ROBOT

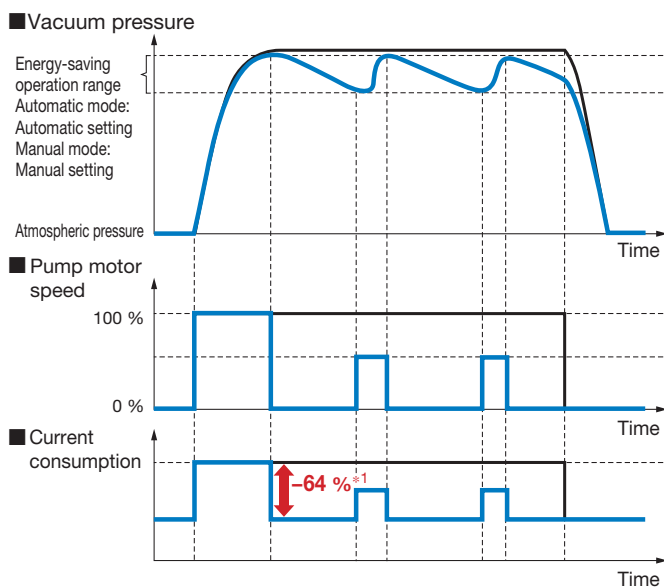
New FANUC CORPORATION

New YASKAWA Electric Corporation



Energy-saving operation possible via automatic/manual modes

Current consumption Max. 64% reduction



— : Automatic/Manual modes (Energy-saving operation)

— : Continuous mode (the vacuum pump working continuously)

* The vacuum pressure waveform is only for reference. The actual operation may vary depending on the conditions such as the workpiece, pad, temperature, etc. Be sure to perform verification sufficiently prior to use.

*1 64% reduction in current consumption during pump stop and pump operation when using energy-saving operation. (Based on SMC's measurement conditions) This excludes sudden currents.

Easy tool changing (Manual changer)

- Tools can be secured by simply tightening the 2 clamber bolts.
- Reduces work-hours



ZXPE5 Series



CAT.EUS160-9Aa-UK



- Operation possible by simply connecting an electrical cable connector**
Can be used without an air source due to the built-in vacuum pump
- Unitization of the peripheral devices required for adsorption**
The vacuum pump, atmospheric release valve, pressure monitor, and cups have been integrated.
- 3 operation modes**
Automatic mode, Manual mode, and Continuous mode
- Equipped with a diagnosis function that allows you to check the state of the product**
Compares the initial state and current state of vacuum pressure when not adsorbing a workpiece
Compares the factory default settings and current settings of the max. vacuum pressure
- A wide variety of pad variations are available to support a wide range of workpiece shapes.**
- 360° LED display of status**

Specifications

Body specifications	Standards		Conforming to ISO9409-1-50-4-M6
	Operating temperature range [°C]		5 to 40
	Connector type		M8 8-pin (Plug)
	Weight [g]	Body*1	722 (556)
		Connector cable	Refer to the "Robot Compatible Connector Cable" on page 6.
		Pad with adapter	Refer to "Pad Part Numbers" on page 4.
	Max. work load [kg]*2		5
	Max. vacuum pressure [kPa]*3		-74
	Max. suction flow rate [l/min(ANR)]*3		4.5
Noise level [dB(A)]*4		60	
Power specifications	Power supply voltage [V]		24 VDC ±10%
	Current consumption [mA]*4	Max. current*5	1400
		Standby current*6	60
IO communication input specifications	Input type		PNP/NPN
	Input ON voltage		15 V or more
	Input ON current		3 mA or more
	Input OFF voltage		5 V or less
	Input OFF current		0.5 mA or less
IO communication output specifications	Output type		PNP/NPN
	Max. load current [mA]		200
	Protection		Short-circuit protection

*1 The weight of the main plate assembly is included. However, that of the connector cable and pad with adapter is not included.

The weight in parentheses refers to the weight of the product without a pad mounting flange assembly.

*2 May be restricted depending on the pad diameter, mounting orientation, or workpiece. Please use within the max. work load. Suction and transfer exceeding the max. work load may result in product failure and the dropping of workpieces.

*3 These are the values under SMC measurement conditions when the gripper is in continuous mode (the vacuum pump working continuously) and may vary depending on the atmospheric pressure (weather, altitude, etc.) and the measurement method.

*4 Actual values under SMC's measurement conditions (Not guaranteed values)

*5 This represents the value when supply voltage of 24 VDC is applied.

*6 Includes sudden currents

*7 The standby current represents an average current when the electric vacuum gripper is on standby.

Pad Variations

The number of pads can be changed.

(Refer to the operation manual for details on changing the quantity.)



1 pad

2 pads

4 pads

The pad type can be changed.

(For details on selectable pads, refer to "How to Order.")



Flat (Ø 8), Silicone rubber

Bellows (Ø 20), NBR

Flat (Ø 32), Urethane rubber

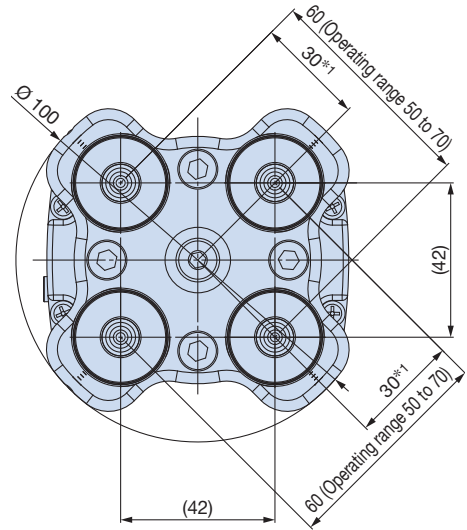


Ø 32, 2.5-stage, Silicone rubber

Ø 25, 5.5-stage, Silicone rubber

* The silicone material is compliant with the FDA (U.S. Food and Drug Administration) regulation 21CFR§177.

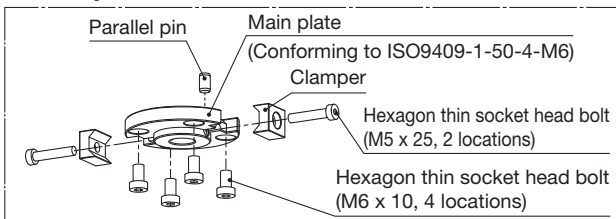
The pad pitch can be changed.



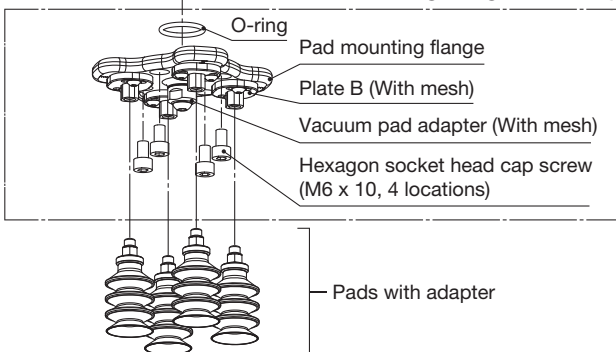
*1 Operating range: 25 to 35 (When a pad is mounted in the centre)
As interference between pads may occur depending on the pad diameter, select the pad diameter according to the pitch to be used.

Component Parts

Main plate assembly



Pad mounting flange assembly



Accessories

Description	Quantities	Note
Main plate assembly	(1)	RMTM2-4M1
Connector cable	(1)	RMH-A00-11-A (Refer to page 5.)
Pad with adapter	(4)	Refer to "How to Order" on page 3.
Plug*1	(4)	M-3P

Varies depending on the product part number

*1 For use when changing the number of vacuum pads

Replacement Parts

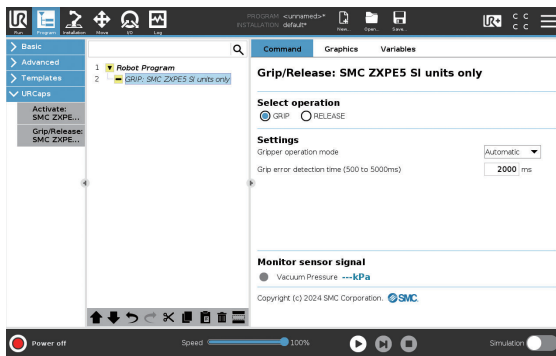
Description	Part number	Included parts
Pad mounting flange assembly	ZXPE5-PFL1-A	Pad mounting flange, Plate B, Vacuum pad adapter, Mounting bolt, Plug, O-ring
Plate B	ZXPE5-APL6-A	Plate B, Mounting bolt, O-ring
Vacuum pad adapter	ZXPE5-EXP6	Extension adapter, Plug, O-ring
Main plate assembly	RMTM2-4M1	Main plate, Mounting bolt, Clammer, Parallel pin
Connector cable	RMH-A00-11-A	
Pad with adapter	Refer to "Pad Part Numbers" on page 4.	
Plug*1	M-3P	

*1 For use when changing the number of vacuum pads

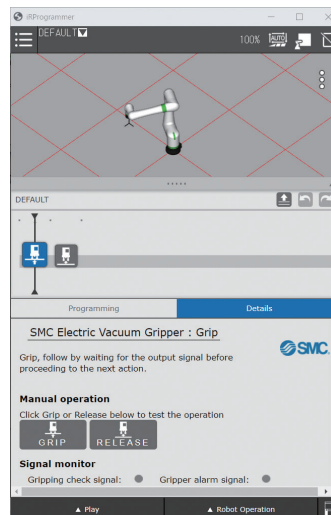
Plug-in Software

Compatible with robots from UNIVERSAL ROBOTS, OMRON Corporation/TECHMAN ROBOT, FANUC CORPORATION, and YASKAWA Electric Corporation

UNIVERSAL ROBOTS URCap



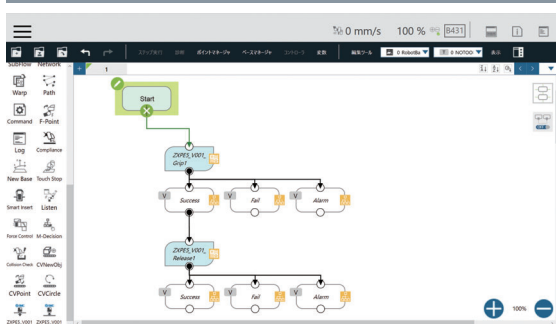
FANUC CRX Plugin



YASKAWA Electric YASKAWA Plug & Play Kit



OMRON/TECHMAN ROBOT TMComponent



CONTENTS

For Adsorption Electric Vacuum Gripper ZXPE5 Series

Features	p. 1
Specifications	p. 1
Pad Variations	p. 2
Component Parts	p. 2
Accessories	p. 2
Replacement Parts	p. 2
Plug-in Software	p. 2-1
How to Order	p. 3
Pad Part Numbers	p. 4
Dimensions	p. 5
Options	p. 6
Specific Product Precautions	p. 7

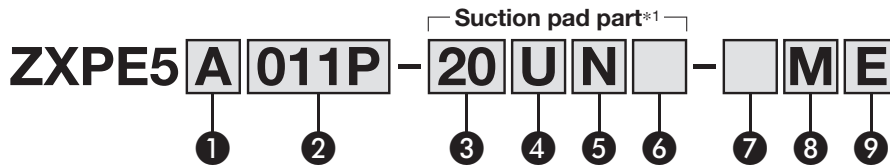


Electric Vacuum Gripper for Collaborative Robots

ZXPE5 Series



How to Order



*1 Refer to page 4 for the applicable pads. For models with pads, 4 pads with adapters are included in the package.

① Pad mounting flange assembly

A	With flange assembly (42 mm x 42 mm)
N	Without flange assembly

② Compatible robot

Refer to the "Table 1 Compatible Robot List."

③ Pad diameter

—	Without pad	20	ø20
08	ø8	25	ø25
10	ø10	30	ø30
13	ø13	32	ø32
16	ø16		

④ Pad form

—	Without pad
U	Flat
C	Flat with rib
B	Bellows
UT	Thin flat
J	Multistage bellows
JT2	2.5-stage bellows
JT5	5.5-stage bellows
PT	Flat type for film packaging workpieces

⑤ Pad material

—	Without pad
N	NBR
S	Silicone rubber (White)*2
U	Urethane rubber
F	FKM
SF	Silicone rubber (Blue)*2

*2 Uses a material compliant with a dissolution test of the FDA (USA Food and Drug Administration) regulation 21CFR§177.2600 for "Rubber articles intended for repeated use."

⑥ Pad attachment*3

—	With (guide) attachment
M	With mesh attachment
F	With flat attachment

*3 Only applicable to pad form "JT□"
Note that "M" and "F" apply only to pad form: JT2.

⑦ Robot connection cable

—	With connector cable
N	Without connection cable

⑧ Pressure monitor unit specifications

C	With unit switching function
M	SI unit only*4

*4 Fixed unit: kPa, MPa

⑨ Manual changer

E	With main plate assembly
F	Without main plate assembly

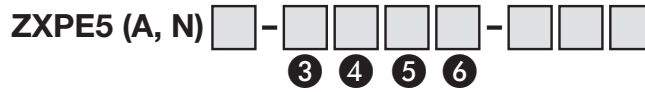
The main plate assembly is required to mount the gripper to the robot. In addition, when the main plate assembly is mounted to the robot, several different tool models can be used with the robot. Customers who already have a main plate assembly can select option "F" (Without main plate assembly).

Table 1 Compatible Robot List

Identification symbol	Robot manufacturer	Supported model	Input/Output type
011P	UNIVERSAL ROBOTS	UR3(e)*5	PNP
		UR5(e)*5	
		UR10(e)*5	
		UR16e	
021N	OMRON/TECHMAN ROBOT	TM5(S)	NPN
		TM7S	
		TM12(S)	
		TM14(S)	
043N	YASKAWA Electric	MOTOMAN-HC10(S)DTP	NPN
MOTOMAN-HC20(S)DTP			
043P		MOTOMAN-HC10(S)DTP	PNP
MOTOMAN-HC20(S)DTP			
051P	FANUC	CRX-5iA	PNP
		CRX-10iA(L)	
		CRX-20iA	
		CRX-25iA	

*5 URcap can only be used with the e-Series.

Vacuum pad part number



* Refer to the **Web Catalogue** for details on vacuum pads.

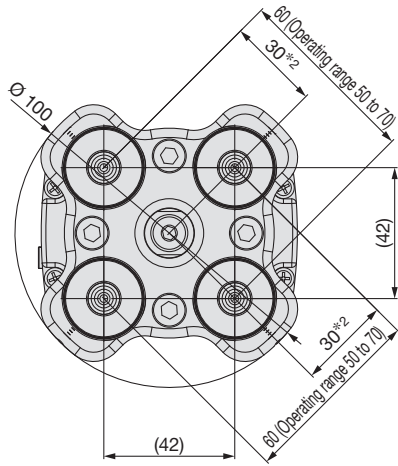
Pad part numbers

③ Pad diameter	④ Pad form	⑤ Pad material	⑥ Pad attachment	Pad with adapter				Adapter unit (Vacuum inlet: Male thread M6 x 1)	Vacuum pad unit	
				Part no.	Weight by pad material (g/pad)					
					N (NBR)	S/SF (Silicone)	U (Urethane)			F (FKM)
08	U	<input type="checkbox"/>		ZPT08U <input type="checkbox"/> -A6	4	4	4	4	ZPT1-A6	ZP08U <input type="checkbox"/>
08	B	<input type="checkbox"/>		ZPT08B <input type="checkbox"/> -A6	4	4	4	4		ZP08B <input type="checkbox"/>
10	UT	<input type="checkbox"/>		ZPT10UT <input type="checkbox"/> -A6	4	4	4	4		ZP10UT <input type="checkbox"/>
13	UT	<input type="checkbox"/>		ZPT13UT <input type="checkbox"/> -A6	4	4	4	4		ZP13UT <input type="checkbox"/>
16	UT	<input type="checkbox"/>		ZPT16UT <input type="checkbox"/> -A6	4	4	4	4		ZP16UT <input type="checkbox"/>
10	U	<input type="checkbox"/>		ZPT10U <input type="checkbox"/> -AS6	7	7	7	7		ZPT2-AS6
13	U	<input type="checkbox"/>		ZPT13U <input type="checkbox"/> -AS6	7	7	7	8	ZP13U <input type="checkbox"/>	
16	U	<input type="checkbox"/>		ZPT16U <input type="checkbox"/> -AS6	7	7	7	8	ZP16U <input type="checkbox"/>	
20	U	<input type="checkbox"/>		ZPT20U <input type="checkbox"/> -AS6	9	10	10	10	ZPT3-AS6	ZP20U <input type="checkbox"/>
25	U	<input type="checkbox"/>		ZPT25U <input type="checkbox"/> -AS6	10	10	10	11		ZP25U <input type="checkbox"/>
32	U	<input type="checkbox"/>		ZPT32U <input type="checkbox"/> -AS6	10	11	11	12		ZP32U <input type="checkbox"/>
10	C	<input type="checkbox"/>		ZPT10C <input type="checkbox"/> -AS6	7	7	7	7	ZPT2-AS6	ZP10C <input type="checkbox"/>
13	C	<input type="checkbox"/>		ZPT13C <input type="checkbox"/> -AS6	7	7	7	7		ZP13C <input type="checkbox"/>
16	C	<input type="checkbox"/>		ZPT16C <input type="checkbox"/> -AS6	7	7	7	8		ZP16C <input type="checkbox"/>
20	C	<input type="checkbox"/>		ZPT20C <input type="checkbox"/> -AS6	9	10	10	11	ZPT3-AS6	ZP20C <input type="checkbox"/>
25	C	<input type="checkbox"/>		ZPT25C <input type="checkbox"/> -AS6	10	10	10	11		ZP25C <input type="checkbox"/>
32	C	<input type="checkbox"/>		ZPT32C <input type="checkbox"/> -AS6	10	11	11	12		ZP32C <input type="checkbox"/>
10	B	<input type="checkbox"/>		ZPT10B <input type="checkbox"/> -AS6	7	7	7	8		ZPT2-AS6
13	B	<input type="checkbox"/>		ZPT13B <input type="checkbox"/> -AS6	7	8	8	8	ZP13B <input type="checkbox"/>	
16	B	<input type="checkbox"/>		ZPT16B <input type="checkbox"/> -AS6	8	8	8	9	ZP16B <input type="checkbox"/>	
20	B	<input type="checkbox"/>		ZPT20B <input type="checkbox"/> -AS6	11	11	11	13	ZPT3-AS6	ZP20B <input type="checkbox"/>
25	B	<input type="checkbox"/>		ZPT25B <input type="checkbox"/> -AS6	11	12	12	14		ZP25B <input type="checkbox"/>
32	B	<input type="checkbox"/>		ZPT32B <input type="checkbox"/> -AS6	14	15	15	18		ZP32B <input type="checkbox"/>
20	UT	<input type="checkbox"/>		ZPT20UT <input type="checkbox"/> -AS6	4	4	4	4	ZPT1-A6	ZP2-20UT <input type="checkbox"/>
16	J	<input type="checkbox"/>		ZP2-T16J <input type="checkbox"/> -AS6	8	8	8	9	ZPT2-AS6	ZP2-16J <input type="checkbox"/>
25	J	<input type="checkbox"/>		ZP2-TB25J <input type="checkbox"/> -AS6	14	15	15	18	ZPT3-AS6	ZP2-B25J <input type="checkbox"/>
30	J	<input type="checkbox"/>		ZP2-TB30J <input type="checkbox"/> -AS6	18	19	19	25		ZP2-B30J <input type="checkbox"/>
20	JT2	SF		ZP3P-T20JT2SF-W-AS6	—	21	—	—	ZP3PA-T1JT-AS6	ZP3P-20JT2SF-W
20	JT2	SF	M	ZP3P-T20JT2SF-WM-AS6	—	21	—	—		ZP3P-20JT2SF-WM
20	JT2	SF	F	ZP3P-T20JT2SF-WF-AS6	—	21	—	—		ZP3P-20JT2SF-WF
25	JT2	SF		ZP3P-T25JT2SF-W-AS6	—	21	—	—		ZP3P-25JT2SF-W
25	JT2	SF	M	ZP3P-T25JT2SF-WM-AS6	—	21	—	—		ZP3P-25JT2SF-WM
25	JT2	SF	F	ZP3P-T25JT2SF-WF-AS6	—	21	—	—		ZP3P-25JT2SF-WF
32	JT2	SF		ZP3P-T32JT2SF-W-AS6	—	37	—	—	ZP3PA-T2JT-AS6	ZP3P-32JT2SF-W
32	JT2	SF	M	ZP3P-T32JT2SF-WM-AS6	—	37	—	—		ZP3P-32JT2SF-WM
32	JT2	SF	F	ZP3P-T32JT2SF-WF-AS6	—	37	—	—		ZP3P-32JT2SF-WF
20	JT5	SF		ZP3P-T20JT5SF-AS6	—	23	—	—	ZP3PA-T1JT-AS6	ZP3P-20JT5SF-WG
25	JT5	SF		ZP3P-T25JT5SF-AS6	—	25	—	—		ZP3P-25JT5SF-WG
32	JT5	SF		ZP3P-T32JT5SF-AS6	—	43	—	—	ZP3PA-T2JT-AS6	ZP3P-32JT5SF-WG
20	PT	SF		ZP3P-T20PTSF-AS6	—	20	—	—	ZP3PA-T1-AS6	ZP3P-20PTSF
25	PT	SF		ZP3P-T25PTSF-AS6	—	20	—	—		ZP3P-25PTSF

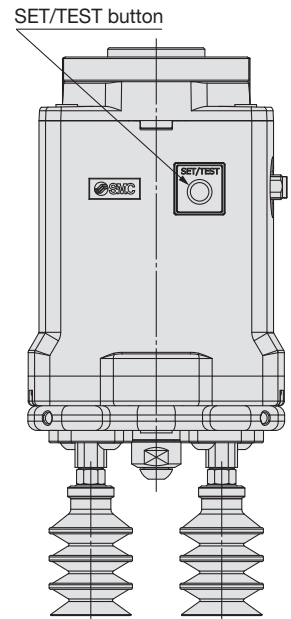
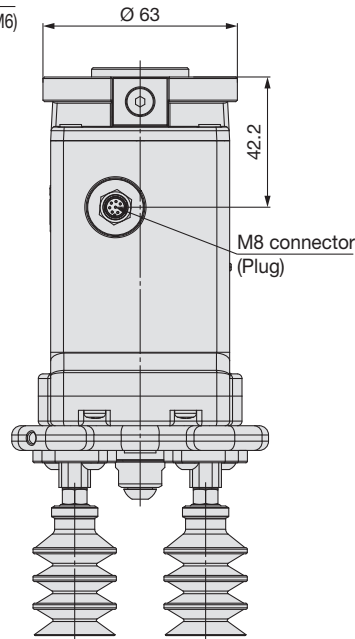
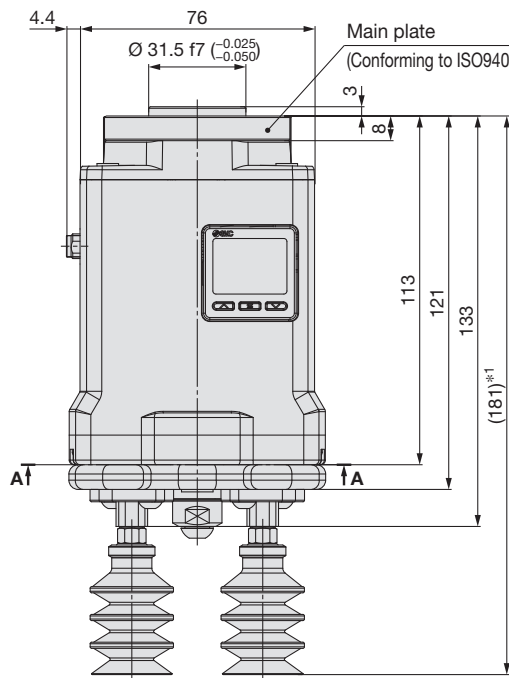
Input the material symbol ("N," "S," "U," or "F") into the in the part number.

ZXPE5 Series

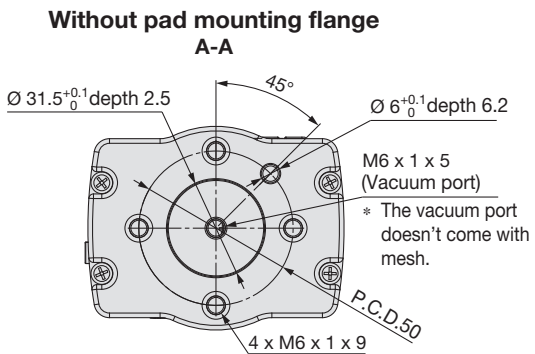
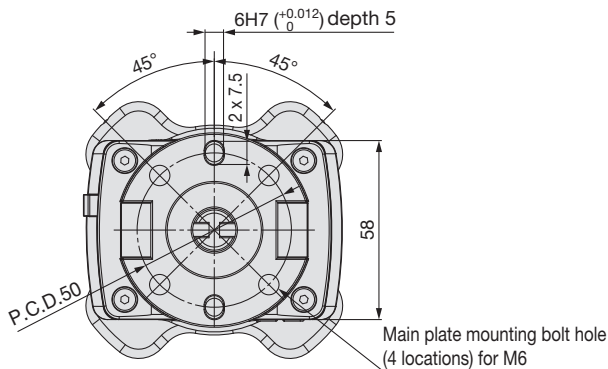
Dimensions



*2 Operating range: 25 to 35
 (When a pad is mounted in the centre)
 As interference between pads may occur depending on the pad diameter, select the pad diameter according to the pitch to be used.

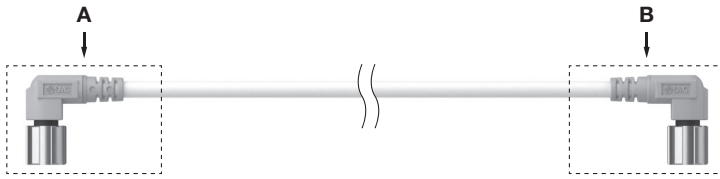


*1 The dimensions and mounting method described in this drawing (example) are for the following part number: ZXPE5A011P-25JS-□E



ZXPE5 Series Options

Robot Compatible Connector Cable



Identification symbol	Robot manufacturer	A Vacuum gripper side	B Robot side	Part no.	Weight [g]
011P	UNIVERSAL ROBOTS	M8 8-pin connector (Socket)	M8 8-pin connector (Socket)	RMH-A00-11-A	16
021N	OMRON/TECHMAN ROBOT		M8 8-pin connector (Plug)	RMH-A00-11-B	14
043N, 043P	YASKAWA Electric		M8 8-pin connector (Socket)	RMH-A00-11-A	16
051P	FANUC		M8 8-pin connector (Socket)	RMH-A00-11-A	16

Suction Pad

For suction pad part numbers, refer to "Pad Part Numbers" on page 4.

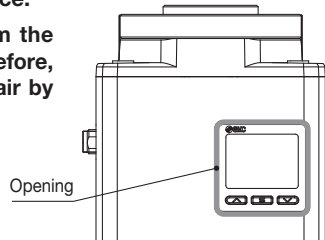
⚠ Specific Product Precautions

Be sure to read this before handling the products. Refer to the back cover for safety instructions. For vacuum equipment precautions, refer to the "Handling Precautions for SMC Products" and the "Operation Manual" on the SMC website: <https://www.smc.eu>

Handling

⚠ Caution

1. Strictly observe the precautions on vacuum equipment and safety when using the product. Additionally, select a pad size and material suitable to both the workpiece to be adsorbed and the atmosphere.
Take safety measures so that any accident, such as the dropping of a workpiece, does not occur during adsorption transfer. For details, refer to the Web Catalogue.
2. Use the product within the specification range. Use exceeding the voltage may result in serious damage due to reduced product performance.
3. Exhaust air is released from the opening in the product. Therefore, do not restrict the exhaust air by blocking the opening.



4. The electric vacuum gripper monitors the pressure and controls the operation for grip and release movements. The integrity of the system should be determined after thorough verification on the actual machine.

Mounting

⚠ Caution

1. For details on the mounting method, refer to the Operation Manual.
2. Tighten to the specified tightening torque. If the tightening torque is exceeded, the body and the mounting screws may break.
3. Do not drop, strike, or apply excessive impact to this product. Doing so may result in damage to the internal parts of the body, atmospheric release valve, pressure monitor, or vacuum pump. In some cases, this damage may result in a malfunction.
4. The bolts may loosen due to the operating conditions and environment. Be sure to conduct maintenance such as tightening the bolts periodically.




Wiring

⚠ Caution

1. Avoid repeatedly bending or stretching the connector cable as well as applying force to it.
2. Do not wire while energising the product. Doing so may result in damage to the internal parts of the atmospheric release valve, pressure monitor, or vacuum pump. In some cases, this damage may result in a malfunction.
3. Do not disassemble the connector cable or make any modifications, including additional machining. Doing so may cause human injury and/or an accident.

Safety Instructions

These safety instructions are intended to prevent hazardous situations and/or equipment damage. These instructions indicate the level of potential hazard with the labels of “**Caution**,” “**Warning**” or “**Danger**.” They are all important notes for safety and must be followed in addition to International Standards (ISO/IEC)¹⁾, and other safety regulations.

-  **Danger:** **Danger** indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.
-  **Warning:** **Warning** indicates a hazard with a medium level of risk which, if not avoided, could result in death or serious injury.
-  **Caution:** **Caution** indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

- 1) ISO 4414: Pneumatic fluid power – General rules and safety requirements for systems and their components.
- ISO 4413: Hydraulic fluid power – General rules and safety requirements for systems and their components.
- IEC 60204-1: Safety of machinery – Electrical equipment of machines. (Part 1: General requirements)
- ISO 10218-1: Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots.
- etc.

Warning

1. The compatibility of the product is the responsibility of the person who designs the equipment or decides its specifications.

Since the product specified here is used under various operating conditions, its compatibility with specific equipment must be decided by the person who designs the equipment or decides its specifications based on necessary analysis and test results. The expected performance and safety assurance of the equipment will be the responsibility of the person who has determined its compatibility with the product. This person should also continuously review all specifications of the product referring to its latest catalogue information, with a view to giving due consideration to any possibility of equipment failure when configuring the equipment.

2. Only personnel with appropriate training should operate machinery and equipment.

The product specified here may become unsafe if handled incorrectly. The assembly, operation and maintenance of machines or equipment including our products must be performed by an operator who is appropriately trained and experienced.

3. Do not service or attempt to remove product and machinery/equipment until safety is confirmed.

1. The inspection and maintenance of machinery/equipment should only be performed after measures to prevent falling or runaway of the driven objects have been confirmed.
2. When the product is to be removed, confirm that the safety measures as mentioned above are implemented and the power from any appropriate source is cut, and read and understand the specific product precautions of all relevant products carefully.
3. Before machinery/equipment is restarted, take measures to prevent unexpected operation and malfunction.

4. Our products cannot be used beyond their specifications. Our products are not developed, designed, and manufactured to be used under the following conditions or environments.

- Use under such conditions or environments is not covered.**
1. Conditions and environments outside of the given specifications, or use outdoors or in a place exposed to direct sunlight.
 2. Use for nuclear power, railways, aviation, space equipment, ships, vehicles, military application, equipment affecting human life, body, and property, fuel equipment, entertainment equipment, emergency shut-off circuits, press clutches, brake circuits, safety equipment, etc., and use for applications that do not conform to standard specifications such as catalogues and operation manuals.
 3. Use for interlock circuits, except for use with double interlock such as installing a mechanical protection function in case of failure. Please periodically inspect the product to confirm that the product is operating properly.

Caution

We develop, design, and manufacture our products to be used for automatic control equipment, and provide them for peaceful use in manufacturing industries.

Use in non-manufacturing industries is not covered.

Products we manufacture and sell cannot be used for the purpose of transactions or certification specified in the Measurement Act.

The new Measurement Act prohibits use of any unit other than SI units in Japan.

Limited warranty and Disclaimer/Compliance Requirements

The product used is subject to the following “Limited warranty and Disclaimer” and “Compliance Requirements”. Read and accept them before using the product.

Limited warranty and Disclaimer

1. The warranty period of the product is 1 year in service or 1.5 years after the product is delivered, whichever is first.²⁾ Also, the product may have specified durability, running distance or replacement parts. Please consult your nearest sales branch.
 2. For any failure or damage reported within the warranty period which is clearly our responsibility, a replacement product or necessary parts will be provided. This limited warranty applies only to our product independently, and not to any other damage incurred due to the failure of the product.
 3. Prior to using SMC products, please read and understand the warranty terms and disclaimers noted in the specified catalogue for the particular products.
- 2) Vacuum pads are excluded from this 1 year warranty.
A vacuum pad is a consumable part, so it is warranted for a year after it is delivered. Also, even within the warranty period, the wear of a product due to the use of the vacuum pad or failure due to the deterioration of rubber material are not covered by the limited warranty.

Compliance Requirements

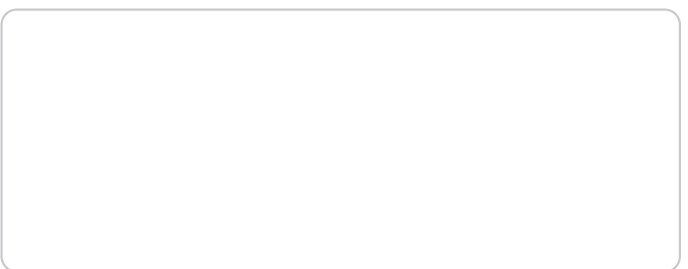
1. The use of SMC products with production equipment for the manufacture of weapons of mass destruction (WMD) or any other weapon is strictly prohibited.
2. The exports of SMC products or technology from one country to another are governed by the relevant security laws and regulations of the countries involved in the transaction. Prior to the shipment of a SMC product to another country, assure that all local rules governing that export are known and followed.

Safety Instructions

Be sure to read “Handling Precautions for SMC Products” (M-E03-3) before using.

SMC Corporation (Europe)

Austria	+43 (0)2262622800	www.smc.at	office@smc.at
Belgium	+32 (0)33551464	www.smc.be	info@smc.be
Bulgaria	+359 (0)2807670	www.smc.bg	office@smc.bg
Croatia	+385 (0)13707288	www.smc.hr	office@smc.hr
Czech Republic	+420 541424611	www.smc.cz	office@smc.cz
Denmark	+45 70252900	www.smc.dk.com	smc@smcdk.com
Estonia	+372 651 0370	www.smcee.ee	info@smcee.ee
Finland	+358 207513513	www.smc.fi	smcfi@smc.fi
France	+33 (0)164761000	www.smc-france.fr	supportclient@smc-france.fr
Germany	+49 (0)61034020	www.smc.de	info@smc.de
Greece	+30 210 2717265	www.smchellas.gr	sales@smchellas.gr
Hungary	+36 23513000	www.smc.hu	office@smc.hu
Ireland	+353 (0)14039000	www.smcautomation.ie	sales@smcautomation.ie
Italy	+39 03990691	www.smcitalia.it	mailbox@smcitalia.it
Latvia	+371 67817700	www.smc.lv	info@smc.lv



Lithuania	+370 5 2308118	www.smclt.lt	info@smclt.lt
Netherlands	+31 (0)205318888	www.smc.nl	info@smc.nl
Norway	+47 67129020	www.smc-norge.no	post@smc-norge.no
Poland	+48 222119600	www.smc.pl	sales@smc.pl
Portugal	+351 214724500	www.smc.eu	apoioclientept@smc.smces.es
Romania	+40 213205111	www.smcromania.ro	smcromania@smcromania.ro
Russia	+7 (812)3036600	www.smc.eu	sales@smcru.com
Slovakia	+421 (0)413213212	www.smc.sk	office@smc.sk
Slovenia	+386 (0)73885412	www.smc.si	office@smc.si
Spain	+34 945184100	www.smc.eu	post@smc.smces.es
Sweden	+46 (0)86031240	www.smc.nu	smc@smc.nu
Switzerland	+41 (0)523963131	www.smc.ch	info@smc.ch
Turkey	+90 212 489 0 440	www.smcturkey.com.tr	info@smcturkey.com.tr
UK	+44 (0)845 121 5122	www.smc.uk	sales@smc.uk
South Africa	+27 10 900 1233	www.smzca.co.za	zasales@smzca.co.za