Speed Control Motors

Speed Control Motors

Accessories

Overview, Product Series

FLEX Compatible Products

Brushless Motors

AC Input

AC Input **AXU**

AC Input

DC Input **BLH**

AC Speed Control Motors

US

MSC-1

Accessories

Accessories

	Reference Page
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Overview of Accessories

Accessories necessary for installing products and performing operation are available.

Speed Indicator

Contro Module:

Data Setting

External Speed Potentiometer

DIN Ra

Couplings

Motor and Gearhead Mounting Brackets

→ Page A-219



These are high strength type mounting brackets for motors and gearheads.

Flexible Couplings

→ Page A-222



A clamp type coupling for connecting the motor/ gearhead shaft with the driven shaft. Machined holes corresponding to shaft diameter sizes make it possible to provide various hole diameter sizes as standard specifications.

Cables → Page B-147



Various cables that are useful for connecting motors and drivers are available.



In addition, convenient accessories are available.

Motor Speed Indicator

→ Page B-154



External Speed Potentiometer

→ Page B-158



Control Modules







Control Modules





DIN Rail Installation Plate

→ Page B-159



Data Setting Software Communication Cable

→ Page B-157

Overview, Product Series

FLEX Compatible Products

Brushless Motors

> AC Input **BLE**

AC Input **AXU**

> C Input **X**

DC Input **BLH**

AC Speed Control Motors

US

MSC-1

ccessories

Installation

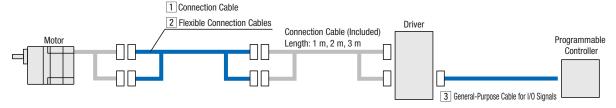
Cables for **BLE** Series

The BLE Series comes with a 1 m, 2 m or 3 m long connection cable for the connection between the motor and driver.

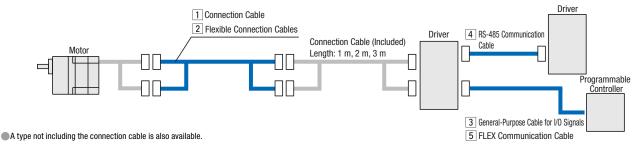
If the wiring distance between the motor and driver is 3 m or more, use connection cables. The maximum length of the cable extension is 20 m (using included connection cable). (Maximum of 3 cables)

Use the flexible connection cable in applications where the cable is bent and flexed.

Configuration of Cable System



♦ For RS-485 Communication Type



1 Connection Cables (RoHS)

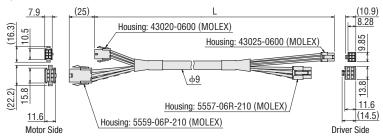
Product Line

○For Standard Motor (CC_BLE)



Product Name	Length L (m)
CC01BLE	1
CC02BLE	2
CC03BLE	3
CC05BLE	5
CC07BLE	7
CC10BLE	10
CC15BLE	15
CC20BLE	20

Dimensions (Unit mm)

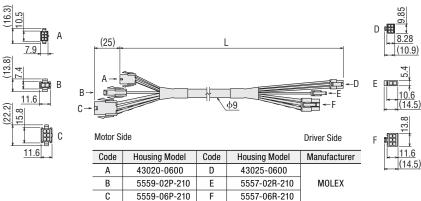


◇For With Electromagnetic Brake Motor (CC_BLEM)



	-
Product Name	Length L (m)
CC01BLEM	1
CC02BLEM	2
CC03BLEM	3
CC05BLEM	5
CC07BLEM	7
CC10BLEM	10
CC15BLEM	15
CC20BLEM	20

\Diamond For With Electromagnetic Brake Motor



Note

The overall length of the extension cables and the included cables should not exceed 20 m (maximum of 3 cables).

It is possible to connect the included cable and the connection cable for extension.

2 Flexible Connection Cables RoHS

Product Line







Control

Data Setting

Product Name	Length L (m)
CC01BLER	1
CC02BLER	2
CC03BLER	3
CC05BLER	5
CC07BLER	7
CC10BLER	10
CC15BLER	15
CC20BLER	20

Product Name	Length L (m)
CC01BLEMR	1
CC02BLEMR	2
CC03BLEMR	3
CC05BLEMR	5
CC07BLEMR	7
CC10BLEMR	10
CC15BLEMR	15
CC20BLEMR	20

External Speed Potentiometer

Note

It is possible to connect the included cable and the flexible connection cable for extension.

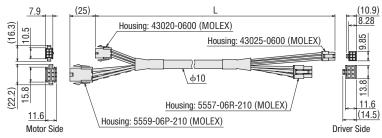
The overall length of the extension cables and the included cables should not exceed 20 m (maximum of 3 cables).

Regeneration Units

DIN Rail Installation

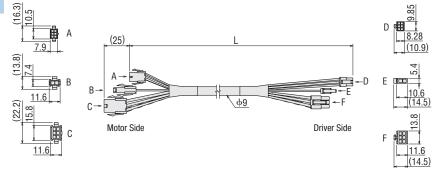
Plate

Dimensions (Unit mm)



Mounting Brackets

Couplings

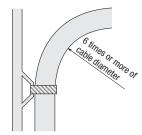


Code	Housing Model	Manufacturer
Α	43020-0600	
В	5559-02P-210	
С	5559-06P-210	MOLEX
D	43025-0600	WIOLEX
Е	5557-02R-210	
F	5557-06R-210	

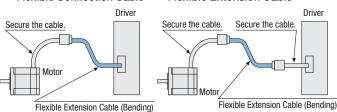
Driver

Notes on Use of Flexible Cables

- 1) Do not allow the cable to bend at the cable connector.
- 2) For the bending radius, use at 6 times or more of the cable diameter.



- 3 The cable from the motor and the included cable are not for bending. If the motor cable is to be bent, please use the flexible cable.
- Flexible Connection Cable • Flexible Extension Cable



Speed Control Motors

3 General-Purpose Cables for I/O Signals (RoHS)

This cable is a general-purpose, multi-core cable that is convenient for connection between programmable controllers.

■ Product Details → Page B-153

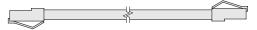
4 RS-485 Communication Cable RoHS

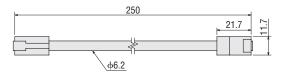
This cable is used to link drivers in multi-axis operation of the RS-485 communication type.

It also connects the network converter to the driver.



Dimensions (Unit mm)





Product Line Product Name CC002-RS4

5 FLEX Communication Cables (RoHS)

This cable is convenient for connecting to other equipment when controlling FLEX-compatible products by Modbus through RS-485.

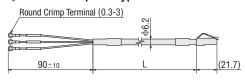
The general-purpose type is available. Unbundled wires with crimp terminals at one end of the cable are suitable to connect to various equipment such as PLC panel.

Product Line

Product Name	Length L (m)
CC02FLT	2
CC05FLT	5



● Dimensions (Unit mm)



Overview, Product Series

FLEX Compatible Products

Brushless Motors

> AC Input BLE

AC Input **AXU**

C Input

DC Input **BLH**

AC Speed Control Motors

US

MSC-1

Accessories

Speed

Indicator

Control

Connection Cables for AXU Series RoHS

These cables are used to connect the motor and the driver. The maximum length of the cable extension is 10 m.

Product Line



Product Name	Length L (m)
CC01AXU	1
CC02AXU	2
CC03AXU	3
CC05AXU	5
CC10AXU	10

Dimensions (Unit mm) 11.6 Driver Side Motor Side

Housing: 5559-10P (MOLEX)

Housing: 5557-10R (MOLEX)

External Speed Potentiometer

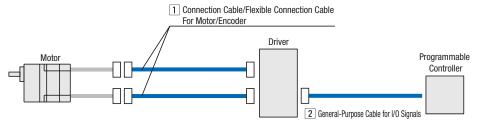
Data Setting

Cables for BX Series (RoHS)

These cables are used to connect the motor and the driver. The maximum length of the cable extension is 20 m. Use the flexible connection cable in applications where the cable is bent and flexed. All connection cables and flexible connection cables come as a set of motor and encoder cables.

Regeneration Units

Cable System Configuration



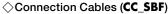
DIN Rail Installation Plate

> Mounting Brackets

Couplings

1 Connection Cables **Flexible Connection Cables**

Product Line





CC01SBF	1
Product Name	Length L (m)
Motor	Encoder
Cables for	Cables for

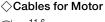
Product Name	Lengui L (III)
CC01SBF	1
CC02SBF	2
CC03SBF	3
CC05SBF	5
CC07SBF	7
CC10SBF	10
CC15SBF	15
CC20SBF	20
•	

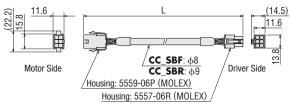


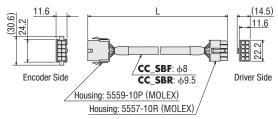
Product Name	Length L (m)
CC01SBR	1
CC02SBR	2
CC03SBR	3
CC05SBR	5
CC07SBR	7
CC10SBR	10
CC15SBR	15
CC20SBR	20

Notes on Use of Flexible Cables → Page B-148

Dimensions (Unit mm)







2 General-Purpose Cables for I/O Signals

This cable is a general-purpose, multi-core cable that is convenient for connection between programmable controllers.

■ Product Details → Page B-153



Connection Cables for BLH Series (RoHS)

These cables are used to connect the motor and driver. The maximum length of the cable extension is 2 m. Use the flexible connection cable in applications where the cable is bent and flexed.

1 Connection Cables





D111010, D111200, D111-100	DEITSTOO
Applicable Product	Product Name
BLH015 BLH230 BLH450	CC02BLH
RI H5100	CCO2AXH2

7 Flexible Connection Cables

Product Line

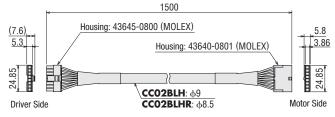


Applicable Product	Product Name
BLH015 BLH230 BLH450	CC02BLHR
BLH5100	CC02BLH2R

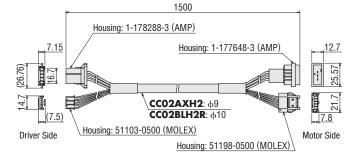
Note on use of flexible extension cables → Page B-148

Dimensions (Unit mm)

♦ BLH015/BLH230/BLH450



♦BLH5100



Overview, Product Series

FLEX Compatible Products

Brushless Motors

AC Input

AC Input

C Innut

,

DC Input **BLH**

AC Speed Control Motors

US

MSC-1

Accessories

Connection Cables for US Series (ROHS)

This connection cable connects the **US** Series motor to the speed control unit. Two types are available for different motor output powers. The maximum length of the cable extension is 4 m. Use the flexible connection cable in applications where the cable is bent and flexed.

Speed

Cable System Configuration



Data Setting Software

1 Connection Cables

Product Line

♦ US206, US315, US425, US540 Types

External Speed Potentiometer

Regeneration Units



♦ US560, **US590** Types



Product Name	Length L (m)
CC01SU07	1
CC02SU07	2
CC03SU07	3
CC04SU07	4

Mounting Brackets

Couplings

DIN Rail

Plate

Installation

2 Flexible Connection Cables

Product Line

CC04SU05

♦ US206, US315, US425, US540 Types



· ·	
Product Name	Length L (m)
CC01SU05R	1
CC02SU05R	2
CC03SU05R	3
CC04SU05R	4

■ Notes on use of flexible extension cables → Page B-148

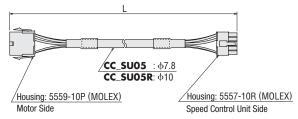




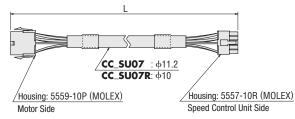
Product Name	Length L (m)
CC01SU07R	1
CC02SU07R	2
CC03SU07R	3
CC04SU07R	4

Dimensions (Unit mm)

♦ US206, US315, US425, US540 Types



♦ US560, **US590** Types



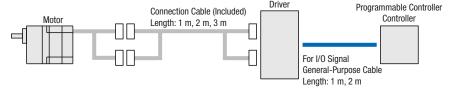
General-Purpose Cables for I/O Signals ROHS

This cable is a general-purpose, multi-core cable that is convenient for connecting various controllers and drivers to programmable controllers.

• Both ends are semi-stripped and lead wires are unbundled. This cable is available for various products.

- · Shielded cables are used. Both ends of the cable are with ground wires for easily grounding the shield.
- Tubes marked with the wire number are inserted at both ends of lead wires. Classification of wires is easy.
- Cable Cores: 12-Core, 16-Core, AWG24
- Cable Length: 1 m, 2 m

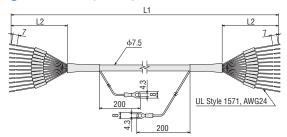
System Configuration Example for Cables (BLE Series)



Product Line

Product Name Main Applicable Series		Length (mm)		Lead Wire	AWG
Product Name Main Applicable Series	L1	L2	Number of Conductors	AWG	
CC12D1B-1	MSC-1, Others	1000	70	12-core	24
CC12D2B-1	CC12D2B-1	2000			
CC16D1B-1	BLE Series BX Series	1000	90	16-core	
CC16D2B-1		2000			

Dimensions (Unit mm)



Overview Product Series

FLEX Compatible Products

Brushless Motors

AC Input BLE

AC Input **AXU**

AC Speed Control Motors

US

MSC-1

Motor Speed Indicator

Speed Indicator

To display or check the speed of the speed control motor, connect the speed indicator. Connection examples to applicable products → Page B-155

■Digital Indication Type RoHS

Control



This product is a digital speed indicator that directly displays the speed at the output shaft of the motor or gearhead.

This product is not a standard certified product.

Data Setting Software

External Speed Potentiometer

Product Line

Regeneration Units

DIN Rail Installation Plate

Product Name	Applicable Product
	Speed Control Motors
SDM496	BLE Series
	AXU Series
	BLH Series
	US Series
	MSC-1
	I

The following items are included with the product.

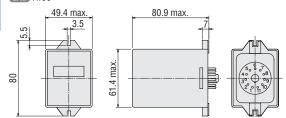
Motor Speed Indicator, Adapter for Flush Installation, Round Shape Socket, Unit Seal, Operating Manual

Mounting Brackets

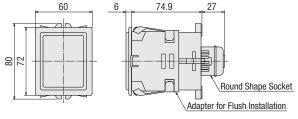
Couplings

Dimensions (Unit mm)

Mass: 200 g **CAD** A100



Dimensions with Adapter Attached (Unit mm)



Installation Hole Dimensions

(Installation plate thickness 1 to 3.2 mm)



Specifications

Power Supply Voltage (VAC)	Single-Phase 100~240
Permissible Voltage Range	−15~+10%
Rated Frequency (Hz)	50/60
Rated Input Current (A)	0.1
Indication	4-digit
Gear Ratio Settings	96 types
Operating Ambient Temperature	0~+40°C

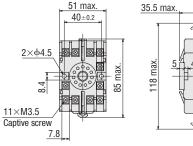
Surface Installation Socket for Installing DIN Rail (RoHS)

Use this flush installation socket when installing the motor speed indicator onto a DIN rail.

◇Product Name: EP11PF

♦ Dimensions (Unit mm)

Mass: 75 g

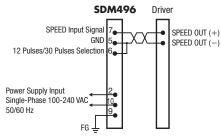


Speed Control Motors

Connection Example

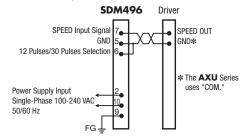
♦ BLE Series

(30 pulses/rotation)

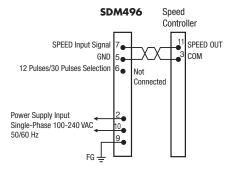


♦ AXU Series, BLH Series

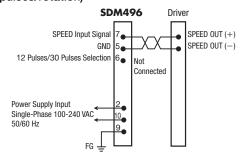
(30 pulses/rotation)



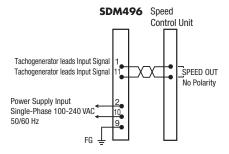
♦MSC-1



◇BLE Series – FBLII Compatibility Mode (12 pulses/rotation)



♦US Series



Overview, Product Series

FLEX Compatible Products

Brushless Motors

AC Input

AC Input

AC Input

DC Input **BLH**

AC Speed Control Motors

US

MSC-1

ccessories

Control Modules

Speed

Contro

OPX-2A RoHS

Indicator Features

This enables you to perform operations such as setting the driver's internal parameters and setting or changing the data. It can also be used for operations such as speed and I/O monitoring, and teaching.

Settings and monitoring contents vary depending on the applicable product.



Data Setting Software

Product Line

Product Name	Applicable Product
OPX-2A	BLE Series

External Speed Potentiometer

Specifications

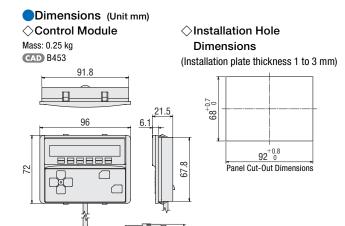
Indication	LED
Cable Length	5 m
Operating Ambient Temperature	0 to +40°C (Non-freezing)

Regeneration Units

DIN Rail Installation Plate

> Mounting Brackets

Couplings



OPX-1A RoHS

Features

- This module can be used as a monitor for speed or alarm code.
- The speed can be set digitally.
- Some characteristics such as speed control range have been improved.
- Some functions such as positioning operation and torque limiting can be extended.

Product Line

Product Name	Applicable Product
OPX-1A	BX Series

Communication cable (2 m included)

Specifications

Indication	LED
Cable Length	2 m
Operating Ambient Temperature	0∼+50°C (non-freezing)



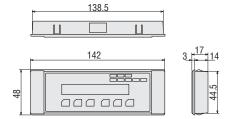


Dimensions (Unit mm)

♦ Control Module

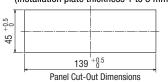
Cable \$4.7 5000 mm

Mass: 0.07 kg



♦ Installation Hole Dimensions

(Installation plate thickness 1 to 3 mm)



Data Setting Software Communication Cable

CCO5IF-USB (RoHS)

This communication cable is required for connecting to the computer on which Data Setting Software **MEXEO2** is installed. The 5 m PC interface cable and 0.5 m USB cable are included.

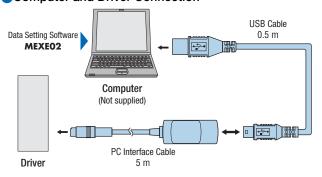
Product Line **Product Name** CC05IF-USB

Applicable Product

Speed Control Motors

BLE Series

Computer and Driver Connection



Note

To connect to a computer, you must install a dedicated device driver.

Data Setting Software MEXE02

With this software, the waveform monitoring of teaching, I/O and operation speed as well as the setting and editing of operating data and various parameters can be performed from the computer.

Data Setting Software can be downloaded from our website.

CD-ROMs are also available.

Visit our website, or contact the nearest Oriental Motor sales office. Note

Setting contents vary depending on the applicable product. Check the Oriental Motor website.



Operating Environment

Operating System (OS)

For the following operating systems, be sure to apply Rollup1 that is provided by Microsoft. Check "Add or remove programs" to see if Rollup1 is

Microsoft Windows 2000 Professional Service Pack 4

For the following operating systems, only the 32 bit (x86) editions and 64 bit (x64) editions are supported.

- Microsoft Windows XP Home Edition Service Pack 3
- Microsoft Windows XP Professional Service Pack 2
- Microsoft Windows XP Professional Service Pack 3*
- Microsoft Windows Vista Home Basic Service Pack 2
- Microsoft Windows Vista Home Premium Service Pack 2
- Microsoft Windows Vista Business Service Pack 2
- Microsoft Windows Vista Ultimate Service Pack 2
- Microsoft Windows Vista Enterprise Service Pack 2
- Microsoft Windows 7 Starter Service Pack 1
- Microsoft Windows 7 Home Premium Service Pack 1
- Microsoft Windows 7 Professional Service Pack 1
- Microsoft Windows 7 Ultimate Service Pack 1
- Microsoft Windows 7 Enterprise Service Pack 1
- *32 bit (x86) edition only

\Diamond PC

Recommended CPU*1	Intel Core Processor 2 GHz or Faster (OS must be supported)
Display	Video adapter and monitor with a minimum resolution of XGA (1024×768)
Recommended Memory*1	32 bit (x86) edition: 1 GB or more 64 bit (x64) edition: 2 GB or more
Hard Disk*2	Free disk space of at least 30 MB
USB Port	One USB1.1 port
Disk Device	CD-ROM drive (for installation)

- *1 The system requirements for the OS must be met.
- *2 MEXEO2 requires Microsoft .NET Framework 2.0 Service Pack 2. If it is not installed, it will be installed automatically. An additional 500 MB of free space may be required.
- Windows and Windows Vista are registered trademarks of Microsoft Corporation in the United States and other countries.
- For the latest information of operating environment, check the Oriental Motor website. Note
- Depending on your system environment, the required memory and hard disk may vary.

Overview Product Series

FI FX Compatible Products

Brushless Motors

AC Input BLE

AC Input **AXU**

DC Input **BLH**

AC Speed Control Motors

US

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External Speed Potentiometer RoHS

Speed

This potentiometer is used for setting the torque motor and power controller packages and the speed control motor.



Control Modules

Data Setting Software

External Speed Potentiometer

Regeneration Units

DIN Rail Installation Plate

> Mounting Brackets

Product Line

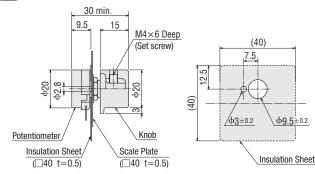
Product Name	Applicable Product
PAVR-20KZ	BLE Series*1 BX Series*1 BLH Series*2 MSC-1*2

(20 k Ω , 1/4 W and with a linear resistance vs. angle curve) Note

- *1 One external speed potentiometer set (PAVR-20KZ) is included. Use when setting the speed in multiple stages.
- *2 The external speed potentiometer (PAVR-20KZ) is not included. Use when setting with the external speed potentiometer.

Dimensions (Unit mm)

Mass: 20 g



Recommended installation plate thickness is 4.5 mm or less

Regeneration Units (ROHS)

Couplings

During vertical drive (gravitational operation), or sudden acceleration and stop with large inertia, external forces causes the motor to rotate and function as a power generator. If the regenerative power produced at that time exceeds the driver's regenerative power absorption capacity, failure may result. In such cases, the regeneration unit is connected to the driver to release the regenerative power as heat energy.



Product Line

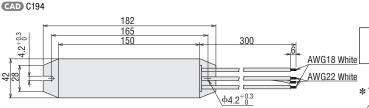
Product Name	Applicable Product
EPRC-400P	BLE Series, BX230, BX460, BX5120
RGB100	BX6200, BX6400

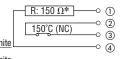
Specifications

Product Name	EPRC-400P	RGB100
Continuous Regenerative Power	100 W	100 W
Resistance Value	400 Ω	150 Ω
Thermal Protector Operating Temperature	Open: 150±7°C Close: 145±12°C (Normally closed)	Open: 150±7°C Close: 145±12°C (Normally closed)
Thermal Protector Rated Electricity	120 VAC 4 A 30 VDC 4 A (Minimum current 5 mA)	120 VAC 4 A 30 VDC 4 A (Minimum current 5 mA)

Attach the regeneration unit to a location that has the same heat radiation capability as an aluminum heat radiation plate that is 350×350 mm and 3 mm thick.

Dimensions (Unit mm) Mass: 250 g





* The **EPRC-400P** is 400 Ω .

①-④: AWG18×2
For regeneration current
Connect to RG Terminal.
②-③: AWG22×2

BLE Series, **BX** Series: Connect to thermal protector for signal.

DIN Rail Installation Plate RoHS

PADP03

This DIN Rail installation plate is for drivers.

- Made of resin and lightweight
- \bullet The plate allows easy installation and detachment to and from the DIN rail.

Product Line

Material: Resin

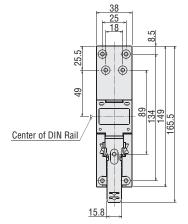
Product Name	Applicable Product
PADP03	BLE Series BX Series

Dimensions (Unit mm)

Mass: 30 g

CAD A1020

Installation Screws: Four M3 8 mm screws included





Overview, Product Series

FLEX Compatible Products

Brushless Motors

AC Input

AC Input **AXU**

AC Input

DC Input **BLH**

AC Speed Control Motors

US

MSC-1

ccessories

Motor and Gearhead Mounting Brackets ROHS

Speed Indicator

and gearheads. High-strength types, which can be used with high power motors and gearheads. These installation brackets come with tapped holes. To install the motor and gearhead, Control simply fasten with the screws provided with the gearhead. To install the motor alone, installation screws must be

These dedicated mounting brackets are for mounting motors

purchased separately.

Data Setting

Product Line

Material: Aluminum Alloy Surface Treatment: Painting

External Speed Potentiometer

♦ Speed Control Motors

Select the pinion shaft type based on the gearhead to be attached.

Regeneration Units

DIN Rail Installation

Couplings



	Applicable Product											
SOL3M5 SOL4M5 SOL4M6 SOL5M6	A	C Speed Control Motors	Brushless Motors									
	Gearhead	Round Shaft Type	Combination Type	Round Shaft Type								
SOLOB	_	_	BLH015-□	_								
SOLOM3	_	_	_	BLH015-A								
SOL2M4	2GN□KF	US206, 2IK6RA, 2RK6RA	BLE23□S BX230-□S BLH230-□	BLE23A AXU210-A BX230-A BLH230-A								
SOL3M5	3GN□KF	US315, 3IK15RA, 3RK15RA	_	_								
SOL4M5	4GN□KF	US425, 4IK25RA, 4RK25RA	_	_								
SOL4M6	_	-	BLE46□S BX460-□S BLH450-□	BLE46A AXU425-A BX460-A BLH450-A								
SOL5M6	5GN□KF 5GU□KB	US540, US560, US590 5IK40RA, 5RK40RA	-	_								
SOL5M8	5GU□KBH	_	BLE512□S BX5120-□S BLH5100-□	BLE512A AXU540-A AXU590-A BX5120-A BLH5100-A								
SOL6M8	_	-	BX6200-□S BX6400-□S	BX6200-A BX6400-A								

Not available for the following products.

●5GU□K

Right-Angle Gearhead (RH Type, RA Type)

■ Hollow Shaft Flat Gearhead (GFS2G□FR, GFS4G□FR, GFS5G□FR)

Dimensions → Page A-220

The names of the applicable products are described with text by which the series name can be identified.

Flexible Couplings ROHS

These are clamp type couplings for connecting the motor and gearhead shaft with the driven shaft.

Once the motor and gearhead is determined, the coupling can be selected.



FLEX Compatible Products

Overview Product Series

Brushless

Motors

AC Input

AC Input

AC Input

DC Input BLH

AC Speed Control Motors

US

MSC-1

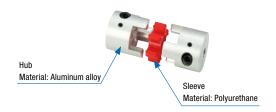
Accessories

Installation

MCL Couplings

Features

- Can be used with high torque.
- Large Permissible Value for Eccentricity.
- The structure features a separated hub and sleeve, so workability during installation is improved.



Product Number Code

MCL 40 12 15

•	1	Flexible Coupling
	2	Outer Diameter Dimension of Coupling 20: \$\phi20\$ mm to 65: \$\phi65\$ mm
	3	Inner Diameter d1 (Smaller inner diameter) 05 : φ5 mm to 25 : φ25 mm
	4	For the MCL5518 type only, some of them include a K depending on the key slot width.
	<u>6</u>	Inner Diameter d2 (Larger inner diameter) 05: 45 mm to 25: 425 mm

Product Line

Product Name
MCL20□
MCL30□
MCL40□
MCL55□
MCL65□

■ A number indicating the coupling inner diameter is entered where the box
is located within the product name.

Coupling Selection Table

Brushless Motors

♦ Geared Type, Combination Type

								С	: Unifor	m load	: Co	mpatibl	e with ι	uniform	and sho	ick load		
Applicable Product		0			Applicable Driven Shaft Diameter mm													
Uniform Load	Shock Load	Coupling Type		iameter m	05	06	08	10	12	14	15	16	18	20	22	25		
Ulliotili Loau	SHOCK LOAU	Турс	"	1111	ф5	ф6	ф8	ф10	ф12	ф14	ф15	ф16	ф18	ф20	ф22	ф25		
BLH015	BLH015	MCL20	06 φ6															
BLE23 BX230, BLH230	BLE23 BX230, BLH230	MCL30	10	ф10			•	•	•									
BLE46 BX460, BLH450	_	MCL40	15	ф15				0	0	0	0	0						
-	BLE46 BX460, BLH450	MCLEE	15	ф15							•	•	•	•		•		
BLE512 BX5120, BLH5100	BLE512 BX5120, BLH5100	MCL55	18	ф18							•	•	•	•		•		
BX6200, BX6400	BX6200, BX6400	MCL65	22	ф22														

lacktriangle The load classification in this table is a guideline. Check the specifications values of each coupling for details.

Select a coupling with the same inner diameter size as the motor shaft diameter.

For the **BX** Series round shaft type, refer to **MCS** couplings.

The names of the applicable products are described with text by which the series name and the output power can be identified.

Accessories

Cables

Brushless Motors, AC Speed Control Motors

♦Gearhead

Speed Indicator

Control Modules

Data Setting

External Speed Potentiometer

Regeneration Units

DIN Rail Installation

Plate

Mounting Brackets

Couplings

Applicable Product			Shaft				An	plicab	e Driv	en Sha	ft Diar	neter r	nm		
Uniform Load Shock Load		Coupling Type	_	neter	05	06	08	10	12	14	15	16	18	20	25
Offilioffii Loau	SHOCK LOAU	Турс	m	ım	ф5	ф6	ф8	ф10	ф12	ф14	ф15	ф16	ф18	ф20	ф25
2GN□KF	_	MCL20	08	ф8	0	0	0								
_	2GN□KF		08	ф8											
3GN□KF 4GN□KF, 4GN□RA	3GN□KF	MCL30	10	ф10			•	•	•						
5GN□KF, 5GN□RA	_		12	ф12			0	0	0						
_	4GN□KF, 4GN□RA		10	ф10											
_	5GN□KF, 5GN□RA	MCL40	12	ф12											
5GU□KB, 5GU□K 5GU□RA	-	MCL40	15	ф15				0	0	0	0	0			
-	5GU□KB, 5GU□K 5GU□RA	MCL55	15	ф15							•	•	•	•	•
5GU□KBH	5GU□KBH	MCL5518K	18	ф18											

- The load classification in this table is a guideline. Check the specifications values of each coupling for details.
- ■The MCL5518K type is a dedicated type for 5GU□KBH.
- lacksquare A number indicating the gear ratio is specified in the box \Box in the product name.
- The names of the applicable products are described with text by which the series name and the output power can be identified.

Select a coupling with the same inner diameter size as the motor shaft diameter.

Specifications → Page A-224

Dimensions → Page A-224