
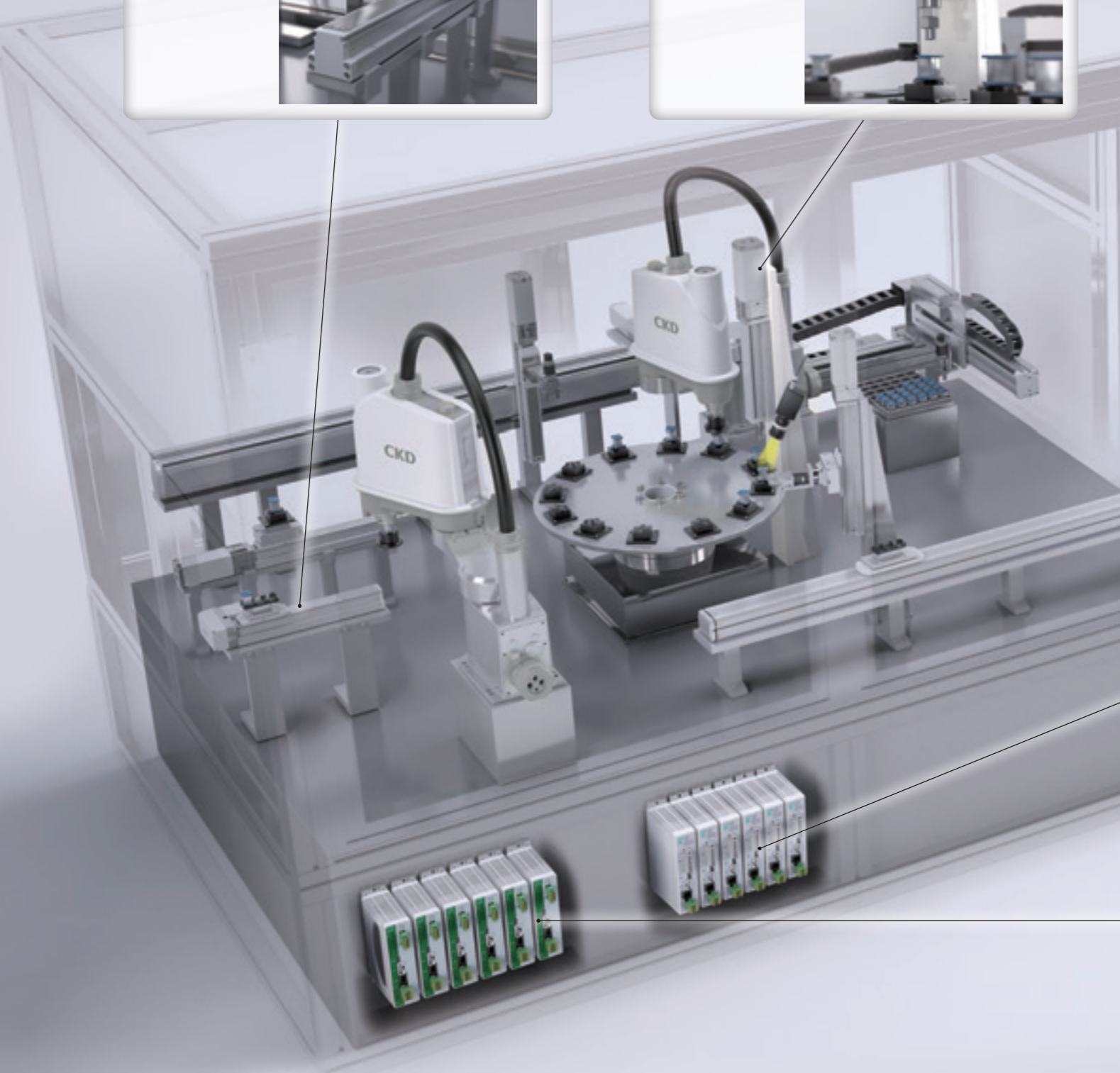


Ever-evolving electric components for ever-evolving

Slider
EBS-M/G Series



Rod with built-in guide
EBR-M/G Series

facilities from CKD



Controller
ECG Series



Controller
ECR Series



INDEX

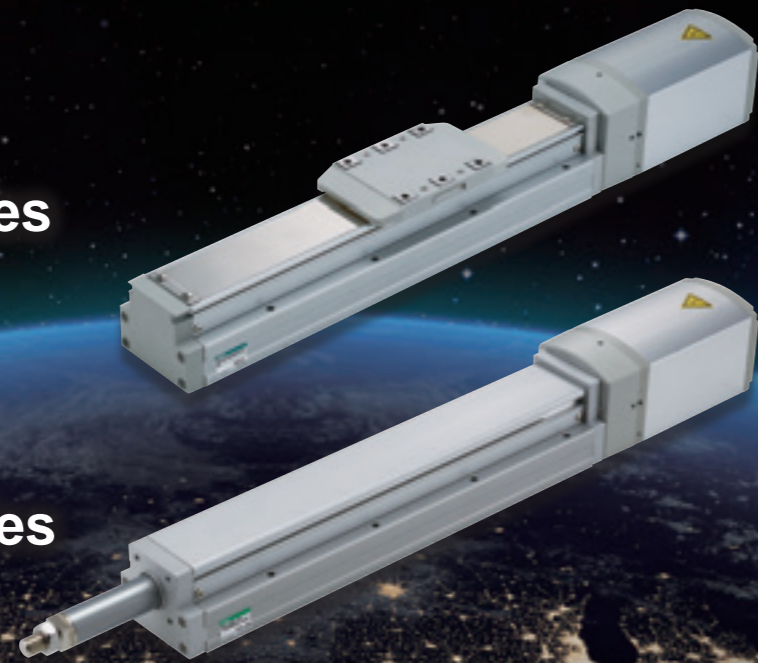
EBS-M/G Series	1
Series variation	2
EBS-04M/G	6
EBS-05M/G	16
EBS-08M/G	26
Technical data	36
EBR-M/G Series	47
Series variation	48
EBR-04M/G	52
EBR-05M/G	62
EBR-08M/G	72
Technical data	82
ECR Series	93
Specifications/How to order/Dimensions/ System configuration	94
· Parallel I/O	96
· IO-Link	100
· CC-Link	101
· EtherCAT	102
ECG Series	105
Specifications/How to order/Dimensions/ System configuration	106
· Parallel I/O	108
· IO-Link.....	112
· CC-Link	113
· EtherCAT	114
· EtherNet/IP	115
Safety precautions	118
Model Selection Check Sheet	126
Related products	127

Slider

EBS-M/G Series

Rod with built-in guide

EBR-M/G Series

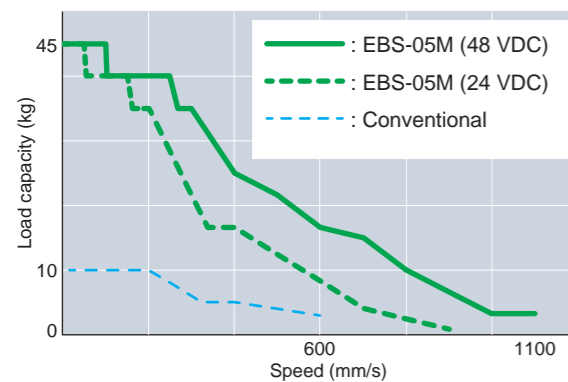


Reduced size

Significantly improved basic performance

Our new controller provides performance beyond that of conventional products. The 48 VDC power supply provides even further improved performance. This enables compact-bodied products to cope with heavy loads, requiring less installation space.

*48 VDC is only compatible with ECR.



● Max. load capacity: 10kg → 45kg (horizontal)

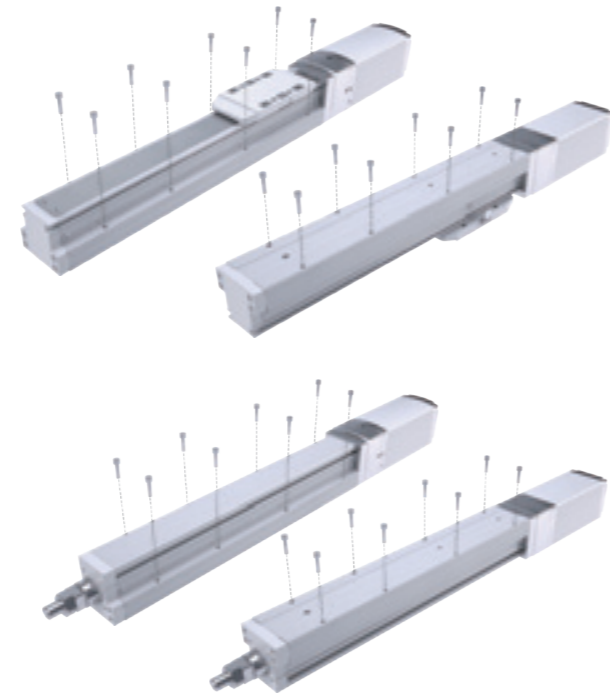
● Max. speed: 600mm/s → 1100mm/s (horizontal)

*Comparison with □ 42 size

Reduced installation time

Mounting holes provided on top and bottom of product

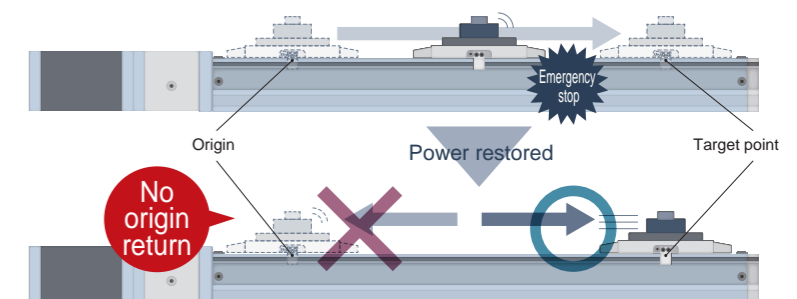
The product structure allows direct installation from the top or bottom, without disassembly. This significantly reduces work time, especially when installing from the top.



Shorter equipment stop times

Battery-less absolute encoders can be selected

The absolute encoder retains present position information without the use of a battery. The system does not need to return to origin when the power is turned ON, and there is no need to install an origin sensor. This allows quick recovery from an emergency stop or power outage. Because it uses no battery, there is no need to replace the encoder battery.



Expanded selection

Also supports motorless specifications (servo motors/stepper motors)

Each model uses a common body and can also be driven at the same size using a servo motor. This provides even greater control for your preferred motor.

[Servo motor compatible manufacturer]

- Mitsubishi Electric Corporation
- Fuji Electric Co., Ltd.
- Delta Electronics Co., Ltd.
- FANUC CORPORATION
- Sanyo Denki Co., Ltd.
- DENSO WAVE Incorporated
- YASKAWA Electric Corporation
- Bosch Rexroth AG
- Keyence Corporation
- Rockwell Automation, Inc.
- Panasonic Corporation
- SIEMENS AG
- OMRON Corporation

[Manufacturers supporting stepper motors]

- Oriental Motor Co., Ltd.
- MinebeaMitsumi Inc.
- Dyadic Systems Co., Ltd.

*Refer to separate catalog CB-055A.



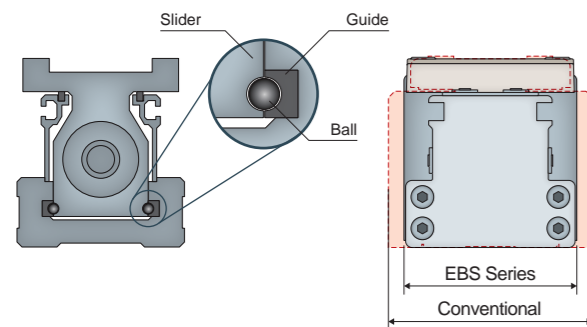
Slider
EBS-M/G Series

High speed transport

Smaller equipment footprint

Compact body with high rigidity

An outer rail is used for the guide which supports loads. The wide guide is integrated with the body to keep the system compact yet provide high rigidity.



		Conventional product	EBS-05
Body width		64 mm	54 mm
Static allowable moment	MP	25.7 N·m	103 N·m
	MY	25.7 N·m	103 N·m
	MR	58 N·m	144 N·m

Easy maintenance

Equipped with a grease lubrication port

The product comes equipped with a lubrication port on both sides to allow direct lubrication from the exterior. Both the guide and ball screw can be maintained simply by lubricating from a single location, without disassembling the body.



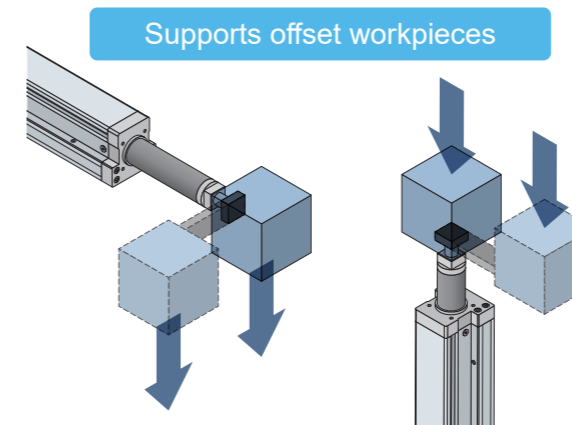
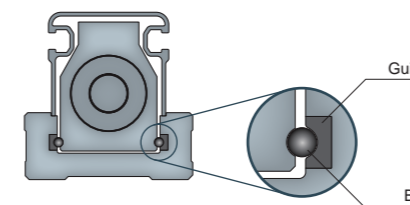
Rod with built-in guide
EBR-M/G Series

For press fitting and hoisting

Reduces need for additional guides

Rod with built-in guide

Contains the same guide as the EBS Slider. Provides a strong structure even for offset workpieces. It also provides a long stroke even greater than that of conventional products.

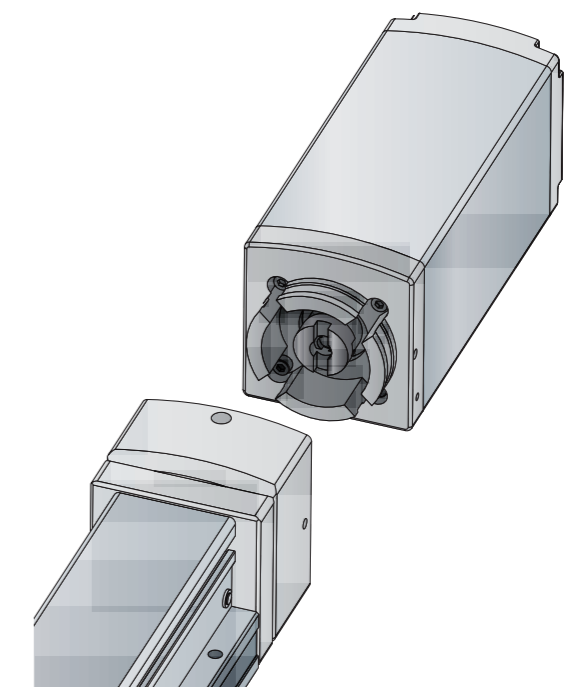


Simple maintenance

Replaceable motor unit

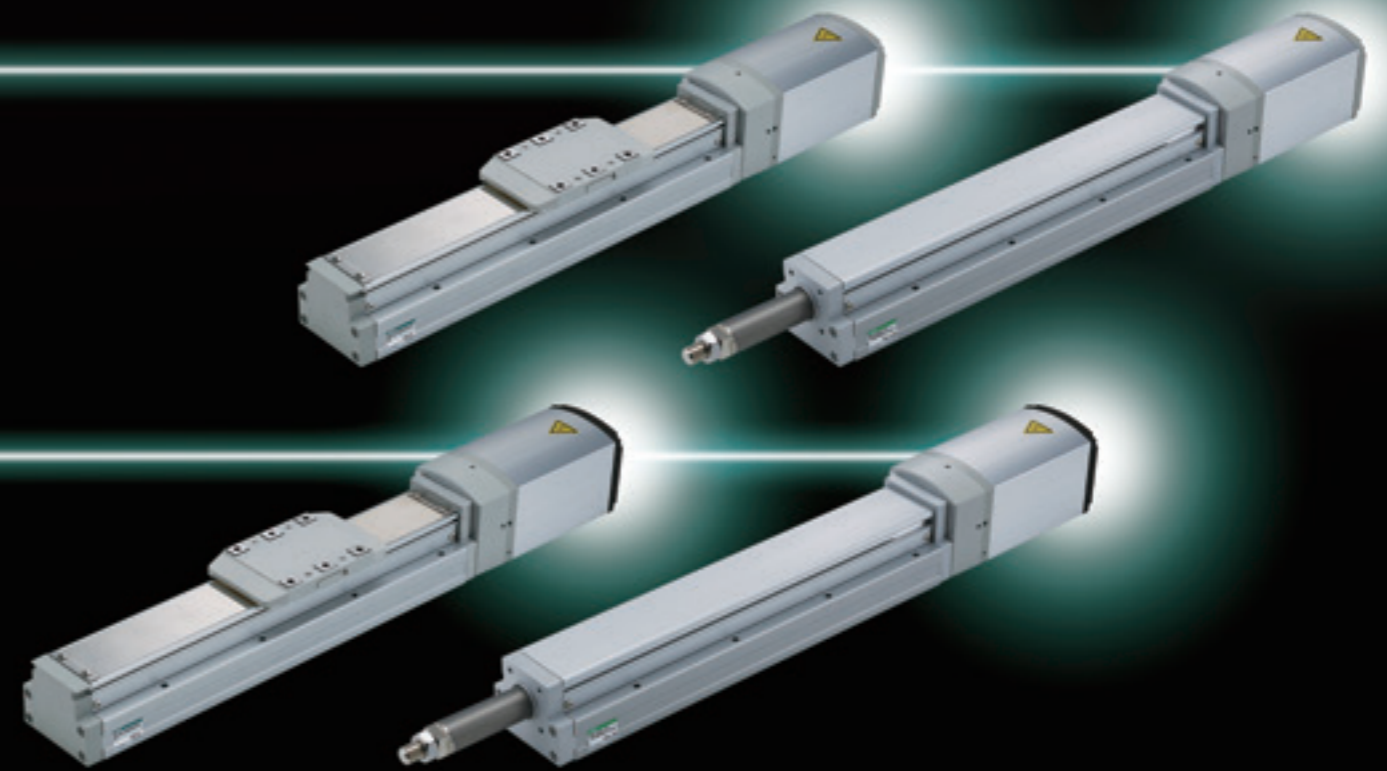
The motor unit can be removed. If something goes wrong, the issue can be resolved by simply replacing the motor.

*EBS-M, EBR-M and ECR are only supported.



A new controller for every actuator model and size

Controller
ECR Series
ECG Series

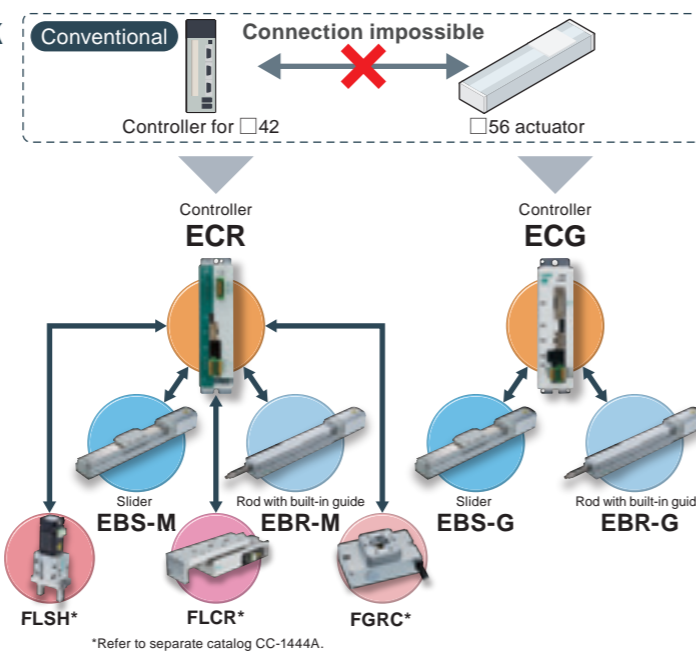


Reduced initial work hours and stock

Original functions available for a variety of motor sizes

The same controller operates with actuators of different sizes and models. Equipped with an automatic recognition function that reads actuator information, for less work during initial setting. Further, with a common controller, work hours for selection and ordering, as well as inventory can be reduced.

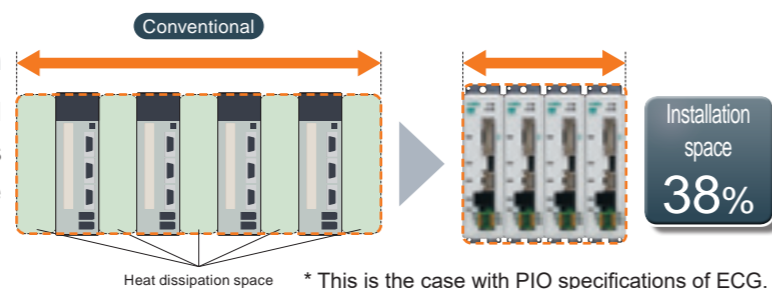
* Compatible with 5 models of ECR and 2 models of ECG.



Reduced controller footprint

Compact, allowing adjacent installation

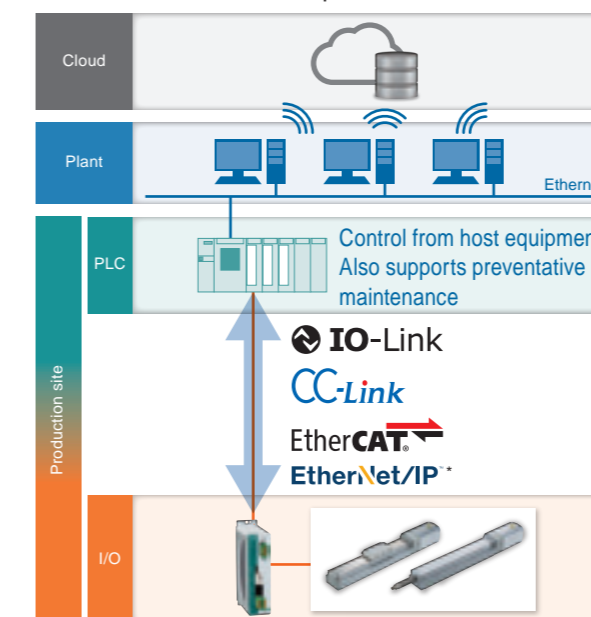
The optimized design eliminates the need for heat dissipation space at the sides. This allows controllers to be installed next to one another.



Supports IoT

Compatible with all types of networks

Our product is compatible with all types of industrial networks. This allows control from host equipment over Ethernet, and also enables preventative maintenance.



* Only ECR supported.

Abundant wiring configurations

Supports a wide range of line, star and ring wiring for EtherNet/IP. Select as needed for your application.

Reduces adjustment time

Easy setup with "S-Tools" software

Inherits the operational feel of the popular AX-Tools software for ABSODEX. S-Tools can be downloaded from our website.

CKD YouTube channel
Simple manual video for dedicated software "S-Tools" available. Please check via iPad or smartphone.

Large icons

Operation/status on one screen

Confirm actuator status at a glance

Operation panel makes operation and checking easy