

| Series variation |                                                                                     |             |                               |                 |                 |                            |              |          |  |
|------------------|-------------------------------------------------------------------------------------|-------------|-------------------------------|-----------------|-----------------|----------------------------|--------------|----------|--|
| Type             | Model No.                                                                           |             | Applicable motor capacity (W) | Body width (mm) | Screw lead (mm) | Max. load capacity (kg) *1 |              |          |  |
|                  |                                                                                     |             |                               |                 |                 | Horizontal                 | Wall-mounted | Vertical |  |
| Slider           |    | EKS-04L*-10 | 50<br>100                     | 43              | 10              | 19                         | 10.5         | 8.5      |  |
|                  |                                                                                     | EKS-04L*-16 |                               |                 | 16              | 14                         | 8            | 7        |  |
|                  |   | EKS-05L*-10 | 100                           | 53              | 10              | 26                         | 19           | 12.5     |  |
|                  |                                                                                     | EKS-05L*-20 |                               |                 | 20              | 7.5                        | 7.5          | 6        |  |
|                  |  | EKS-06L*-20 | 200                           | 64              | 20              | 42                         | 20           | 12       |  |
|                  |                                                                                     | EKS-06L*-30 |                               |                 | 30              | 20.5                       | 18           | 7.5      |  |
|                  |  | EKS-08L*-20 | 400                           | 84              | 20              | 83.5                       | 45           | 23.5     |  |
|                  |                                                                                     | EKS-08L*-40 |                               |                 | 40              | 19                         | 19           | 10.5     |  |
|                  |  | EKS-10L*-25 | 750                           | 104             | 25              | 118.5                      | 76           | 33.5     |  |
|                  |                                                                                     | EKS-10L*-50 |                               |                 | 50              | 40                         | 40           | 14.5     |  |

|  | Stroke length (mm) and max. speed (mm/s) *2 |     |     |     |     |     |      |      |      |                  |      |      |      |             |      |             |      | Page |
|--|---------------------------------------------|-----|-----|-----|-----|-----|------|------|------|------------------|------|------|------|-------------|------|-------------|------|------|
|  | 100 mm                                      | 200 | 300 | 400 | 500 | 600 | 700  | 800  | 900  | 1000             | 1100 | 1200 | 1300 | 1400        | 1500 | 1600        | 1700 |      |
|  | 500 mm/s                                    |     |     |     |     | 440 | 340  | 260  | 210  | *3<br>⌚ 4.3 sec. |      |      |      |             |      |             |      | 462  |
|  | 800                                         |     |     |     |     | 710 | 540  | 420  | 340  | ⌚ 2.66 sec.      |      |      |      |             |      |             |      |      |
|  | 500                                         |     |     |     |     |     | 390  | 310  | 250  | ⌚ 3.61 sec.      |      |      |      |             |      |             |      | 470  |
|  | 1000                                        |     |     |     |     |     | 780  | 620  | 500  | ⌚ 1.83 sec.      |      |      |      |             |      |             |      |      |
|  | 1000                                        |     |     |     |     |     | 980  | 770  | 630  | 520              | 430  | 370  | 320  | ⌚ 4.08 sec. |      |             |      | 478  |
|  | 1500                                        |     |     |     |     |     | 1480 | 1160 | 940  | 780              | 650  | 550  | 480  | ⌚ 2.73 sec. |      |             |      |      |
|  | 1000                                        |     |     |     |     |     |      | 980  | 800  | 670              | 560  | 480  | 420  | 360         | 320  | ⌚ 4.7 sec.  |      | 486  |
|  | 2000                                        |     |     |     |     |     |      | 1970 | 1610 | 1340             | 1130 | 970  | 840  | 730         | 650  | ⌚ 2.34 sec. |      |      |
|  | 1250                                        |     |     |     |     |     |      |      |      | 1050             | 890  | 760  | 660  | 580         | 510  | ⌚ 2.97 sec. |      | 494  |
|  | 2500                                        |     |     |     |     |     |      |      |      | 2110             | 1790 | 1530 | 1330 | 1160        | 1030 | ⌚ 1.51 sec. |      |      |

\*1: Values for max. load capacity are at acceleration/deceleration 0.5 G and straight motor mounting. Refer to the specifications for each model and the Load Capacity by Acceleration/deceleration table on page 510 to 511 for details.

\*2: The max. speed is the speed when the motor mounted by the customer can output a rotation speed of 3000 rpm.  
The max. speed is restricted by the stroke. Do not move at speeds beyond the limit.

\*3: ⌚ shows the positioning time. Maximum stroke when installed horizontally and operated at max. speed and max. acceleration/deceleration.  
Note that this is not the value at maximum load capacity.

## How to order

### How to order

**EKS - 04 L E - 10 0300 N NN - M 1 N C B**

| A                                                                                                                                      | B                        | C                                                                                                                    | D                                                                                                       | E                                                                                  | F                        | G                                                                                          | H                                                                             | I                                                                                                               | J                                         | K                                        |
|----------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------|
| <b>A Body size</b><br>04 Body width 43 mm<br>05 Body width 53 mm<br>06 Body width 64 mm<br>08 Body width 84 mm<br>10 Body width 104 mm | <b>B Motor</b><br>L None | <b>C Motor mounting direction</b><br>E Straight mounting<br>R Right mounting<br>D Bottom mounting<br>L Left mounting | <b>D Screw lead</b><br>10 10 mm<br>16 16 mm<br>20 20 mm<br>25 25 mm<br>30 30 mm<br>40 40 mm<br>50 50 mm | <b>E Stroke length</b><br>0100 100 mm<br>to (In 100 mm increments)<br>1500 1500 mm | <b>F Brake</b><br>N None | <b>G Mounted motor specification</b><br>M<br>Y Refer to the list on the page at right<br>P | <b>H Motor capacity</b><br>H 50 W<br>1 100 W<br>2 200 W<br>4 400 W<br>8 750 W | <b>I Motor shaft fixing method *1 *2 *3</b><br>N For straight mounting<br>D Flat<br>K Key<br>M Friction locking | <b>J Origin sensor</b><br>N None<br>C Yes | <b>K Limit sensor</b><br>N None<br>B Yes |

\*1: For straight mounting of all body sizes, select "For straight mounting."

\*2: For side mounting of EBS-04, 05, and 06 only, select "Flat" or "Key."

\*3: For side mounting of EBS-06, 08, and 10 only, select "Friction locking."

### Example of model No.

**EKS-04LE-100300NNN-M1NCB**

|                             |                                               |
|-----------------------------|-----------------------------------------------|
| Body size                   | : 04 Series                                   |
| Motor                       | : None                                        |
| Motor mounting direction    | : Straight mounting                           |
| Screw lead                  | : 10 mm                                       |
| Stroke length               | : 300 mm                                      |
| Mounted motor specification | : M (refer to the table on the page at right) |
| Motor capacity              | : 100 W                                       |
| Motor shaft fixing method   | : Straight                                    |
| Origin sensor               | : Yes                                         |
| Limit sensor                | : Yes                                         |

\*This product is composed of an actuator (and motor mounting parts) only; there is no motor attached.  
The user must prepare, mount, and adjust the motor and driver.

## List of servo motors recommended for mounting

| Code | Manufacturer                    | Series         | 50 W<br>(EKS-04 Series) | 100 W<br>(EKS-04/05 Series) |
|------|---------------------------------|----------------|-------------------------|-----------------------------|
| M    | Mitsubishi Electric Corporation | MELSERVO J4    | HG-KR053                | HG-KR13                     |
|      |                                 | MELSERVO J5    | HG-KT053W               | HK-KT13W                    |
| M    | Delta Electronics Co., Ltd.     | ECMA-C         | ECMA-C1040F             | ECMA-C10401                 |
| M    | Sanyo Corporation, Ltd.         | SANMOTION R *1 | R2□A04005               | R2□A04010                   |
| Y    | YASKAWA Electric Corporation    | Σ-V            | SGMJV-A5                | SGMJV-01                    |
|      |                                 | Σ-7            | SGM7J-A5                | SGM7J-01                    |
| Y    | Keyence Corporation             | SV             | SV-□005                 | SV-□010                     |
|      |                                 | SV2            | SV2-□005                | SV2-□010                    |
| P    | Panasonic Corporation           | MINAS A5       | MSMD5A                  | MSMD01                      |
|      |                                 | MINAS A6       | MSMF5A                  | MSMF01                      |
| M    | OMRON Corporation               | G5             | R88M-K0503              | R88M-K10030                 |
|      |                                 | 1S             | -                       | R88M-1M10030                |
| M    | Fuji Electric Co., Ltd.         | ALPHA7 GYS     | GYS500D7-□B2□           | GYS101D7-□B2□               |
|      |                                 | ALPHA7 GYB     | -                       | -                           |
| M    | FANUC CORPORATION               | βis series     | βis0.2/5000             | βis0.3/5000                 |
| P    | Bosch Rexroth AG                | MSM            | MSM019A                 | MSM019B                     |
| M    | Rockwell Automation, Inc.       | TLP            | TLP-A046-005-DKA□2      | TLP-A046-010-DKA□2          |
| M    | SIEMENS AG                      | 1FK2 *2        | 1FK2102-0AG0            | 1FK2102-1AG0                |

| Code | Manufacturer                    | Series      | 200 W<br>(EKS-06 Series) | 400 W<br>(EKS-08 Series) | 750 W<br>(EKS-10 Series) |
|------|---------------------------------|-------------|--------------------------|--------------------------|--------------------------|
| M    | Mitsubishi Electric Corporation | MELSERVO J4 | HG-KR23                  | HG-KR43                  | HG-KR73                  |
|      |                                 | MELSERVO J5 | HK-KT23W                 | HK-KT43W                 | HK-KT7M3W                |
| M    | Delta Electronics Co., Ltd.     | ECMA-C      | ECMA-C10602              | ECMA-C10604              | ECMA-C10807              |
| M    | Sanyo Corporation, Ltd.         | SANMOTION R | R2□A06020                | R2□A06040                | -                        |
| Y    | YASKAWA Electric Corporation    | Σ-V         | SGMJV-02                 | SGMJV-04                 | SGMJV-08                 |
|      |                                 | Σ-7         | SGM7J-02                 | SGM7J-04                 | SGM7J-08                 |
| Y    | Keyence Corporation             | SV          | SV-□020                  | SV-□040                  | SV-□075                  |
|      |                                 | SV2         | SV2-□020                 | SV2-□040                 | SV2-□075                 |
| P    | Panasonic Corporation           | MINAS A5    | MSMD02                   | MSMD04                   | MSMD08                   |
|      |                                 | MINAS A6    | MSMF02                   | MSMF04                   | MSMF08                   |
| P    | OMRON Corporation               | G5          | R88M-K20030              | R88M-K40030              | R88M-K75030              |
|      |                                 | 1S          | R88M-1M20030             | R88M-1M40030             | R88M-1M75030             |
| M    | Fuji Electric Co., Ltd.         | ALPHA7 GYS  | GYS201D7-□B2□            | GYS401D7-□B2□            | GYS751D7-□B2□            |
|      |                                 | ALPHA7 GYB  | GYB201D7-□B2□            | GYB401D7-□B2□            | GYB751D7-□B2□            |
| P    | Bosch Rexroth AG                | MSM         | MSM031B                  | MSM031C                  | MSM041B                  |
| M    | Rockwell Automation, Inc.       | TLP         | TLP-A070-020-DKA□2       | TLP-A070-040-DKA□2       | TLP-A090-075-DKA□2       |
| M    | SIEMENS AG                      | 1FK2 *2     | 1FK2203-2AG0             | 1FK2203-4AG0             | 1FK2204-5AK0             |

\* Contact CKD for mounting other than the above motors and products of other motor manufacturers.

\* Contact CKD for brake use with vertical use, etc.

\*1: Motor side/bottom mounting direction (R: right, D: bottom, L: left) is not supported.

\*2: The servo motor is subject to the regulations of Export Trade Control Order Appendix Table 1 Item 7 (8), and is applicable with regard to its specifications. (as of January 2021)