Low Profile Slide Table Type
Series LXIF

## LXFH5 BC-Stroke S-GD 1

| Home position switch |  |
| :---: | :---: |
| Nil | None |
| S | Yes (cable length 0.3 m ) |

Proximity switch type

| Nil | None |
| :---: | :---: |
| Refer to the table on the right for |  |
| proximity switch part numbers. |  |
| Number of proximity switches |  |
| Number\|$\mathbf{1}$ 1 pc. <br> $\mathbf{2}$ 2 pcs <br> $\vdots$ $\vdots$ <br> $\mathbf{6}$ 6 pcs. |  |$.$|  |
| :--- |

Proximity switch types

| Symbol | Model | Wiring/ <br> Output type | Lead wire <br> length (m) | Contact |
| :--- | :---: | :---: | :---: | :---: |
| GN | With sensor rail and sensor plate without proximity switch |  |  |  |
| G | GXL-8F | 3 wire/NPN | 1 | N.O. (A contact) |
| GD | GXL-8FI | 3 wire/NPN | 1 | N.O. (A contact) |
| GB | GXL-8FB | 3 wire/NPN | 1 | N.C. (B contact) |
| GDB | GXL-8FIB | 3 wire/NPN | 1 | N.C. (B contact) |
| GU | GXL-8FU | 2 wire/solid state | 1 | N.O. (A contact) |
| GUB | GXL-8FUB | 2 wire/solid state | 1 | N.C. (B contact) |

* Refer to page 318 for detailed specifications of proximity switches.


## Specifications

|  | Standard stroke | mm | 25 | 50 | 75 | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Performance | Body weight | kg | 0.8 | 1.0 | 1.1 | 1.2 |
|  | Operating temperature range | ${ }^{\circ} \mathrm{C}$ | 5 to 40 (with no condensation) |  |  |  |
|  | Work load | kg | 3 (2) horizontal Note 1) |  |  |  |
|  | Speed | $\mathrm{mm} / \mathrm{s}$ | to 30 Note 2) |  |  |  |
|  | Positioning repeatability | mm | $\pm 0.03$ |  |  |  |
| Main parts | Motor |  | 5 phase stepper motor (without brake) |  |  |  |
|  | Lead screw |  | Ball screw ø8mm, 2mm lead |  |  |  |
|  | Guide |  | Direct acting guide |  |  |  |
| Home position switch | Model |  | Photo micro sensor EE-SX672 |  |  |  |
| Driver | Model |  | LC6D-507AD (Refer to page 306 for details.) |  |  |  |

Note 1) When mounting a work piece to the actuator's end plate, its weight should be within the value inside ( ).
Note 2) Since vibration may increase with low speed operation, use $2 \mathrm{~mm} / \mathrm{s}$ or more as a guide for speed.

## Allowable Moment ( $\mathrm{N} \cdot \mathrm{m}$ )

Allowable static moment

| Pitching | 4 |
| :--- | :--- |
| Rolling | 3 |
| Yawing | 4 |

m : Transfer load (kg)
L : Overhang to work piece center of gravity (mm)
a : Work piece acceleration ( $\mathrm{mm} / \mathrm{sec}^{2}$ )
Me: Dynamic moment

Allowable dynamic moment

| Load Model movement direction |  |  | LXF |  |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  |  |  |
| $\begin{aligned} & \text { 오 } \\ & \stackrel{\underline{\bar{I}}}{\bar{O}} \\ & \text { 区 } \end{aligned}$ |  | $\begin{array}{cc} \widehat{\Xi}_{\underline{E}} & 300 \\ \boldsymbol{E} & 200 \\ \boldsymbol{Y} & 100 \end{array}$ |  |  |
|  |  |  |  |  |

Refer to page $\mathbf{3 0 4}$ for deflection data.

## 5 Phase Stepper Motor/Without Motor Brake Series LXF

## Dimensions/LXFH5BC



Positioning Time Guide (for Horizontal Mount)

For transfer load of 0 kg

|  |  |  |  |  |  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |  |  |  |  |  |
| Speed <br> $(\mathbf{m m} / \mathbf{s})$ | 10 | 0.2 | 1.1 | 5.1 | 10.1 |  |  |  |  |  |
|  | 20 | 0.1 | 0.6 | 2.6 | 5.1 |  |  |  |  |  |
|  | 30 | 0.1 | 0.4 | 1.7 | 3.4 |  |  |  |  |  |

For transfer load of $\mathbf{1 k g}$

|  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |
| Speed <br> (mm/s) | 10 | 0.2 | 1.1 | 5.1 | 10.1 |
|  | 20 | 0.1 | 0.6 | 2.6 | 5.1 |
|  | 30 | 0.1 | 0.4 | 1.7 | 3.4 |

For transfer load of 2kg

|  |  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |  |
| Speed <br> (mm/s) | 10 | 0.2 | 1.1 | 5.1 | 10.1 |  |
|  | 20 | 0.1 | 0.6 | 2.6 | 5.1 |  |
|  | 30 | 0.1 | 0.4 | 1.7 | 3.4 |  |

For transfer load of 3kg

|  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |
| Speed <br> $(\mathbf{m m} / \mathbf{s})$ | 10 | 0.2 | 1.1 | 5.1 | 10.1 |
|  | 20 | 0.1 | 0.6 | 2.6 | 5.1 |
|  | 30 | 0.1 | 0.4 | 1.7 | 3.4 |

## Low Profile Slide Table Type

Series LXIF

# LXFH5 BD- Stroke S-GD 1 



Refer to the table on the right for proximity switch part numbers.

Number of proximity switches -

| $\mathbf{1}$ | 1 pc. |
| :---: | :---: |
| 2 | 2 pcs. |
| $\vdots$ | $\vdots$ |
| $\mathbf{6}$ | 6 pcs. |

Proximity switch types

| Symbol | Model | Wiring/ <br> Output type | Lead wire <br> length $(\mathrm{m})$ | Contact |
| :--- | :---: | :---: | :---: | :---: |
| GN | With sensor rail and sensor plate without proximity switch |  |  |  |
| G | GXL-8F | 3 wire/NPN | 1 | N.O. (A contact) |
| GD | GXL-8FI | 3 wire/NPN | 1 | N.O. (A contact) |
| GB | GXL-8FB | 3 wire/NPN | 1 | N.C. (B contact) |
| GDB | GXL-8FIB | 3 wire/NPN | 1 | N.C. (B contact) |
| GU | GXL-8FU | 2 wire/solid state | 1 | N.O. (A contact) |
| GUB | GXL-8FUB | 2 wire/solid state | 1 | N.C. (B contact) |

* Refer to page 318 for detailed specifications of proximity switches.


## Specifications

|  | Standard stroke | mm | 25 | 50 | 75 | 100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Performance | Body weight | kg | 0.8 | 1.0 | 1.1 | 1.2 |
|  | Operating temperature range | ${ }^{\circ} \mathrm{C}$ | 5 to 40 (with no condensation) |  |  |  |
|  | Work load | kg | 3 (2) horizontal Note 1) |  |  |  |
|  | Speed | $\mathrm{mm} / \mathrm{s}$ | to 80 Note 2) |  |  |  |
|  | Positioning repeatability | mm | $\pm 0.03$ |  |  |  |
| Main parts | Motor |  | 5 phase stepper motor (without brake) |  |  |  |
|  | Lead screw |  | Ball screw ø8mm, 5 mm lead |  |  |  |
|  | Guide |  | Direct acting guide |  |  |  |
| Home position switch | Model |  | Photo micro sensor EE-SX672 |  |  |  |
| Driver | Model |  | LC6D-507AD (Refer to page 306 for details.) |  |  |  |

Note 1) When mounting a work piece to the actuator's end plate, its weight should be within the value inside ( ).
Note 2) Since vibration may increase with low speed operation, use $5 \mathrm{~mm} /$ s or more as a guide for speed.

Allowable Moment (N.m)

Allowable static moment

| Pitching | 4 |
| :--- | :--- |
| Rolling | 3 |
| Yawing | 4 |

m : Transfer load (kg)
L : Overhang to work piece center of gravity (mm)
a : Work piece acceleration ( $\mathrm{mm} / \mathrm{sec}^{2}$ )
Me: Dynamic moment

Allowable dynamic moment


Refer to page 304 for deflection data.


## Positioning Time Guide (for Horizontal Mount)

For transfer load of $\mathbf{0 k g}$

|  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |
| Speed <br> $(\mathbf{m m} / \mathbf{s})$ | 10 | 0.2 | 1.1 | 5.1 | 10.1 |
|  | 40 | 0.1 | 0.3 | 1.3 | 2.6 |
|  | 80 | 0.1 | 0.2 | 0.7 | 1.3 |

For transfer load of $\mathbf{1 k g}$

|  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |
| Speed <br> (mm/s) | 10 | 0.2 | 1.1 | 5.1 | 10.1 |
|  | 40 | 0.1 | 0.3 | 1.3 | 2.6 |
|  | 80 | 0.1 | 0.2 | 0.7 | 1.3 |

For transfer load of $\mathbf{2 k g}$

|  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |
| Speed <br> (mm/s) | 10 | 0.2 | 1.1 | 5.1 | 10.1 |
|  | 40 | 0.1 | 0.3 | 1.3 | 2.6 |
|  | 80 | 0.1 | 0.2 | 0.7 | 1.3 |

For transfer load of $\mathbf{3 k g}$

|  |  | Positioning time (sec) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Positioning distance (mm) |  | 1 | 10 | 50 | 100 |
| Speed <br> $(\mathbf{m m} / \mathbf{s})$ | 10 | 0.2 | 1.1 | 5.1 | 10 |
|  | 40 | 0.1 | 0.3 | 1.3 | 2.6 |
|  | 80 | 0.1 | 0.2 | 0.7 | 1.3 |

[^0]


Refer to the tables below for auto/proximity switch part numbers.

Brake

| Nil | Without brake |
| :---: | :---: |
| $\mathbf{B}$ | With brake |

.Home position switch

Auto switch types

| Symbol | Model | Wiring/ Output type | Lead wire length (m) | Contact | Applicable actuator |
| :---: | :---: | :---: | :---: | :---: | :---: |
| F9N | D-F9N | 3 wire/NPN | 0.5 | N.O. (A contact) | $\begin{aligned} & \text { LXP } \\ & \text { LXS } \end{aligned}$ |
| F9P | D-F9P | 3 wire/PNP | 0.5 | N.O. (A contact) |  |
| F9G | D-F9G | 3 wire/NPN | 0.5 | N.C. (B contact) |  |
| F9H | D-F9H | 3 wire/PNP | 0.5 | N.C. (B contact) |  |
| F9GL | D-F9GL | 3 wire/NPN | 3 | N.C. (B contact) |  |
| F9HL | D-F9HL | 3 wire/PNP | 3 | N.C. (B contact) |  |
| F9B | D-F9B | 2 wire | 0.5 | N.O. (A contact) |  |
| F9NL | D-F9NL | 3 wire/NPN | 3 | N.O. (A contact) |  |
| F9PL | D-F9PL | 3 wire/PNP | 3 | N.O. (A contact) |  |
| F9BL | D-F9BL | 2 wire | 3 | N.O. (A contact) |  |

* When using both auto and proximity switches, list the proximity switch part number after the auto switch part number. Example) F9N1G2

| Nil | None |
| :---: | :---: |
| $\mathbf{S}$ | Yes (cable length 0.3 m ) |

Proximity switch types

| Symbol | Model | Wiring/ <br> Output type | Lead wire <br> length $(\mathbf{m})$ | Contact | Applicable <br> actuator |
| :--- | :--- | :--- | :---: | :---: | :---: |
| GN | With sensor rail and sensor plate, without proximity switch |  |  |  |  |
| G | GXL-8F | 3 wire/NPN | 1 | N.O. (A contact) | LXF |
| GD | GXL-8FI | 3 wire/NPN | 1 | N.O. (A contact) |  |
| GB | GXL-8FB | 3 wire/NPN | 1 | N.C. (B contact) | LXS |
| GDB | GXL-8FIB | 3 wire/NPN | 1 | N.C. (B contact) |  |
| GU | GXL-8FU | 2 wire/Solid state | 1 | N.O. (A contact) $)$ |  |
| GUB | GXL-8FUB | 2 wire/Solid state | 1 | N.C. (B contact) |  |

* Refer to page 318 for detailed specifications of proximity switches.


## Specifications

| Model | LXF | LXP | LXS |
| :---: | :---: | :---: | :---: |
| Guide type | Direct acting guide <br> Stainless steel, With low particulate <br> generating grease | Ball bushing <br> Stainless seel, With low particulate <br> geneating grease | High rigidity direct acting guide <br> Stainless steel, With low particulate <br> generating grease |
| Lead screw | Ball screw $\varnothing 8 \mathrm{~mm}$ <br> $2 \mathrm{~mm} / 5 \mathrm{~mm}$ lead |  |  |

For basic specifications such as allowable moment, refer to the "Standard" pages for equivalent products listed on Features pages 3 and 4.

## Series LX

## Construction

## Construction

## Series LXF



## Parts list

| No. | Description | Material | Note |
| :---: | :--- | :---: | :---: |
| $\mathbf{1}$ | Motor | - |  |
| $\mathbf{2}$ | Direct acting guide | - |  |
| 3 | Nut | Resin/Alloy steel |  |
| 4 | Rolled screw | Alloy steel |  |
| 5 | Body | Aluminum alloy | Anodized |
| 6 | Table | Aluminum alloy | Anodized |
| 7 | End plate | Aluminum alloy | Anodized |
| 8 | Tube | Aluminum alloy | Anodized |
| 9 | Stopper A | - |  |

## Parts list

| No. | Description | Material | Note |
| :---: | :--- | :---: | :---: |
| $\mathbf{1 0}$ | Stopper B | Aluminum alloy |  |
| $\mathbf{1 1}$ | Sensor plate | Mild steel | Chromated |
| $\mathbf{1 2}$ | Coupling | Aluminum alloy |  |
| 13 | Magnet | - |  |
| 14 | Bumper | Rubber |  |
| 15 | Motor cover | Resin |  |
| 16 | Photo micro sensor | - |  |

## Series LX

## Mounting

## Series LXF

## Actuator mounting

An actuator can be mounted from two directions, which can be selected depending on the equipment or work piece.


| Model | Bolt | Max. tightening torque <br> $\mathrm{N} \cdot \mathrm{m}$ | Max. screw-in depth <br> $(\mathrm{l} \mathrm{mm})$ |
| :---: | :---: | :---: | :---: |
| LXF | M5 $\times 0.8$ | 4.4 | 8 |

. Caution Use bolts at least 0.5 mm shorter than the maximum screw-in depth, so they do not touch the body.


## Work piece mounting

Work pieces can be mounted on two sides of the actuator.



## Series LX

## Acceleration Time Guide

Acceleration Time Guide/Slide Screw Specification (Horizontal)

## LXFH5SA



## LXFH5SB



## LXPB2SA/LXSH2SA



LXPB2SB/LXSH2SB


LXPB5SA/LXSH5SA


LXPB5SB/LXSH5SB


Acceleration Time Guide/Slide Screw Specification (Vertical)

## LXPB2SA/LXSH2SA



LXPB2SB/LXSH2SB


## LXPB5SA/LXSH5SA



LXPB5SB/LXSH5SB


## $\triangle$ Caution

- Transfer loads should not exceed each model's work load specification.
- Determine the acceleration time based on the transfer load and ultimate speed.
- Operating over the graph ranges will cause loss of synchronism.
- The graphs are based on operation using an SMC DC power input type driver with halfstep energization.
- Data fluctuate depending on the operating conditions.

Acceleration Time Guide/Ball Screw Specification (Horizontal)

LXFH5BC


## LXFH5BD



## LXPB2BC/LXSH2BC



## LXPB2BD/LXSH2BD



LXPB5BC/LXSH5BC


LXPB5BD/LXSH5BD

model's work load specification.

- Determine the acceleration time based on the transfer load and ultimate speed.
- Operating over the graph ranges will cause loss of synchronism.
- The graphs are based on operation using an SMC DC power input type driver with halfstep energization.
- Data fluctuate depending on the operating conditions.


## g

Acceleration Time Guide/Ball Screw Specification (Vertical)

LXPB2BC/LXSH2BC


LXPB2BD/LXSH2BD


## LXPB5BC/LXSH5BC



## LXPB5BD/LXSH5BD



- Transfer loads should not exceed each


## $\triangle$ Caution

## Table Deflection



## Solid State Switches

## Applicable Actuators



| D-F9 | Series LXF*, LXP, LXS |
| :--- | :--- |
| D-Y7GL | Series LJ1 (non-standard motor) |

* Cannot be mounted on Series LXF with ball screw specification.


## Auto Switch Specifications

Auto switch internal circuits
Lead wire colors inside [ ] are those prior to conformity with IEC standards.

## D-F9G, D-Y7GL



D-F9P, D-F9H


## D-F9B



| Auto switch part no. | D-F9N | D-F9P | D-F9B | D-F9G | D-F9H |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Contact | N.O. (A contact) |  |  | N.C. (B contact) |  |
| Electrical entry | In-line |  |  |  |  |
| Wiring type | 3 wire |  | 2 wire | 3 wire |  |
| Output type | NPN | PNP | - | NPN | PNP |
| Applicable load | IC circuit, Relay, PLC |  | 24VDC relay, PLC | IC circuit, Relay, PLC |  |
| Power supply voltage | 5, 12, 24VDC (4.5 to 28V) |  | - | 5, 12, 24VDC (4.5 to 28V) |  |
| Current consumption | 10 mA or less |  | - | 10 mA or less |  |
| Load voltage | 28VDC or less | - | 24VDC (10 to 28VDC) | 28VDC or less | - |
| Load current | 40 mA or less | 80 mA or less | 5 to 40 mA | 40 mA or less | 80 mA or less |
| Internal voltage drop | 1.5 V or less ( 0.8 V or less at load current of 10 mA ) | 0.8 V or less | 0.4V or less | 1.5 V or less $(0.8 \mathrm{~V}$ or less at load current of 10 mA$)$ | 0.8 V or less |
| Leakage current | $100 \mu \mathrm{~A}$ or less at 24 VDC |  | 80 mA or less | $100 \mu \mathrm{~A}$ or less at 24 VDC |  |
| Indicator light | Red LED lights up when ON |  |  | Red LED lights up when OFF |  |

- Lead wire - Oil resistant heavy duty vinyl cord, $\varnothing 2.7,0.15 \mathrm{~mm}^{2} \times 3$ wire (Brown, Black, Blue [Red, White, Black]), $0.18 \mathrm{~mm}^{2} \times 2$ wire (Brown, Blue [Red, Black])
- Insulation resistance - $50 \mathrm{M} \Omega$ or more at 500VDC (between lead wire and case)
- Withstand voltage - 1000VAC for 1 min. (between lead wire and case)
- Indication light Lights when ON
- Ambient temperature - -10 to $60^{\circ} \mathrm{C}$
- Operating time -1 ms or less
- Impact resistance $1000 \mathrm{~m} / \mathrm{s}^{2}$

| Auto switch part no. | D-Y7GL |
| :--- | :---: |
| Contact | N.C. (B contact) |
| Electrical entry | In-line |
| Wiring type | 3 wire |
| Output type | NPN |
| Applicable load | IC circuit, Relay, PLC |
| Power supply voltage | $5,12,24 \mathrm{VDC}(4.5$ to 28 V$)$ |
| Current consumption | 10 mA or less |
| Load voltage | 28 VDC or less |
| Load current | 40 mA or less |
| Internal voltage drop | 1.5 V or less $(0.8 \mathrm{~V}$ or less at load current of 10 mA$)$ |
| Leakage current | $100 \mu \mathrm{~A}$ or less at 24 VDC |
| Indicator light | Red LED lights up when OFF |

## Basic Wiring



Examples of Connection to PLC

## Sink input specifications,

3 wire, NPN


2 wire


## Source input specifications,

 3 wire, PNP

2 wire


Connect according to the applicable PLC input specifications, as the connection method will vary depending on the PLC input specifications.

Connection Examples for AND (Series) and OR (Parallel)

3 wire, AND connection for NPN output


## 2 wire with 2 switch AND connection



When two switches are connected in series, a load may malfunction because the load voltage will decline when in the ON state. The indicator lights will light up when both of the switches are in the ON state.

Load voltage at $\mathrm{ON}=$ Power supply voltage - Residual voltage $\times 2 \mathrm{pcs}$.

$$
\begin{aligned}
& =24 \mathrm{~V}-4 \mathrm{~V} \times 2 \mathrm{pcs} . \\
& =16 \mathrm{~V}
\end{aligned}
$$

Example: Power supply voltage is 24 VDC .
Internal voltage drop in switch is 4 V .

3 wire, OR connection for NPN output


2 wire with 2 switch OR connection


Load voltage at OFF $=$ Leakage current $\times 2$ pcs. $\times$ Load impedance

$$
=1 \mathrm{~mA} \times 2 \mathrm{pcs} .=3 \mathrm{k} \Omega
$$

$$
=6 \mathrm{~V}
$$

Example: Load impedance is $3 \mathrm{k} \Omega$.
Leakage current from switch is 1 mA .

## Proximity Switches

Applicable switch models

| Applicable model | Model type | Part no. | Switch type |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| $\begin{aligned} & \text { LXF } \\ & \text { LXS } \end{aligned}$ | G | GXL-8F | Standard | N.O. (A contact) | 3 wire |
|  | GD | GXL-8FI | Varying frequencies | N.O. (A contact) | 3 wire |
|  | GB | GXL-8FB | Standard | N.C. (B contact) | 3 wire |
|  | GDB | GXL-8FIB | Varying frequencies | N.C. (B contact) | 3 wire |
|  | GU | GXL-8FU | Standard | N.O. (A contact) | 2 wire |
|  | GUB | GXL-8FUB | Standard | N.C. (B contact) | 2 wire |

Switch specifications (SUNX Corporation)


Proximity switch internal circuit

## GXL-8F(I)(B)



GXL-8FU(B)(I)


## Proximity Switch/Switch Plate Mounting

Be sure to use the mounting screws included, and mount the proximity switch as shown in the drawing to the right.
Mount the switch plate as shown below. Always use the proper tightening torque and use a thread locking agent on screws to prevent loosening.
The switch body is made of PBT and acrylic resin. Select a thread locking agent that will not affect these materials.

Thin head screw (M3 $\times 4$ )
Tightening torque: 0.38 to $0.42 \mathrm{~N} \cdot \mathrm{~m} /$


Round head screw (M2.5 x 5)
 Proximity switch mounting position


Standard Photo Micro Sensor for Home Position (OMRON Corporation)

## Rating

| Power supply voltage | 5 to 24VDC $\pm 10 \%$, Ripple (p-p) 10\% or less |  |  |
| :---: | :---: | :---: | :---: |
| Current consumption | 35 mA or less |  |  |
| Control output | 5 to 24 VDC load current (Ic) 100 mA , Residual voltage 0.8 V or less Load current (Ic) 40 mA , Residual voltage 0.4 V or less |  |  |
| Ambient temperature | Operation: $-25^{\circ}$ to $55^{\circ} \mathrm{C}$ (When stored: $-30^{\circ}$ to $80^{\circ} \mathrm{C}$ ) |  |  |
| Ambient humidity | Operation: 5 to 85\%RH (When stored: 5 to 95\%RH) |  |  |
| Part no. | EE-SX672 equivalent | EE-SX673 equivalent | EE-SX674 |
| Applicable actuator | LXF | LXP, LXS | LG1 (non-standard motor) |


| Terminal arrangement |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |

* Normally ON when light is blocked.

However, if the (L)terminal and +
terminal are shorted, it changes to ON when light enters.
Output level circuit

| Operating condition of output transistor | ON when light enters | ON when light is blocked |
| :---: | :---: | :---: |
| Output circuit | * Normally ON when light is bloc terminal are shorted, it change | . However, if the (L) terminal and ON when light enters. |
| Time chart |  |  |


[^0]:    Refer to page 303 for acceleration time.

