



ORIGINAL INSTRUCTIONS

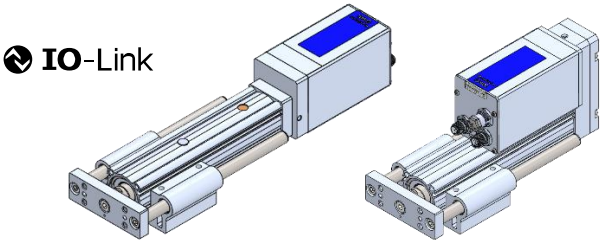
Instruction Manual

e-Actuator/ Guide Rod type

Easy to operate Integrated Controller

Series EQYG\*\*H\*-\*\*\*\*-B\*

Motor: Step motor 24 VDC with Battery-less absolute encoder



IO-Link

The intended use of this Electrical Actuator is to convert an electrical input signal into mechanical motion.

1. 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)<sup>\*)</sup>, and other safety regulations.

- <sup>\*)</sup>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: Robotics - Safety requirements - Part 1: Industrial robots.

- Refer to the product catalogue, Operation Manual and Handling Precautions for SMC Products for additional information.
- Keep this manual in a safe place for future reference.

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

Warning

- Always ensure compliance with relevant safety laws and standards. All work must be carried out in a safe manner by a qualified person in compliance with applicable national regulations.
- Electromagnetic compatibility  
This product is class A equipment intended for use in an industrial environment. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted as well as radiated disturbances.

2. Specifications

2.1 EQYG16 series

	Model		EQYG16		
Actuator specification	Stroke [mm]		30 to 200		
	Max. work load [kg] <sup>*)</sup>	Horizontal	17	25	40
		Vertical	2.5	5.5	10
	Pushing Force [N] <sup>*)</sup> <sup>2)</sup> <sup>3)</sup> <sup>4)</sup>		23~41	44~80	86~154
	Speed [mm/s]		15~700	8~350	4~175
	Max. acceleration/ deceleration [mm/s <sup>2</sup> ]	Horizontal	10,000		
		Vertical	5,000		
	Pushing speed [mm/s <sup>2</sup> ] <sup>*)</sup>		1 to 50		
	Positioning repeatability [mm]		±0.02		
	Lost motion [mm] <sup>*)</sup>		0.1 or less		
	Screw Lead [mm]		10	5	2.5
	Impact/Vibration resistance [m/s <sup>2</sup> ] <sup>*)</sup>		50 / 20		
Electrical	Actuation type		Ball screw (EQYG*DH) Ball screw + Belt (EQYG*H)		
	Guide type		Sliding bearing (EQYG*M) Ball bush bearing (EQYG*L)		
	Operating temperature [°C]		5 to 40		
	Operating humidity [% RH]		90 or less (no condensation)		
Lock	Motor size [mm]		□28		
	Motor type		Battery-less absolute (Step motor 24 VDC)		
	Encoder (angular displacement sensor)		Battery-less absolute		
	Power supply voltage [V] <sup>*)</sup>		24 VDC ±10%		
	Max. Power [W] <sup>*)</sup> <sup>11)</sup>		82		
	Lock Type <sup>*)</sup>		Non excitation lock		
Lock	Holding force [N]		29	59	118
	Power consumption [W] <sup>*)</sup>		2.9		
	Power supply voltage [V]		24 VDC ±10%		

2.2 EQYG25 series

	Model		EQYG25			
Actuator specification	Stroke [mm]		30 to 300			
	Max. work load [kg] <sup>*)</sup>	Horizontal	8	26	40	70
		Vertical	1	7	15	29
	Pushing Force [N] <sup>*)</sup> <sup>2)</sup> <sup>3)</sup> <sup>4)</sup>		41~81	67~135	132~265	255~511
	Speed [mm/s]		30~900	18~700	9~450	5~225
	Max. acceleration/ deceleration [mm/s <sup>2</sup> ]	Horizontal	10,000			
		Vertical	5,000			
	Pushing speed [mm/s <sup>2</sup> ] <sup>*)</sup>		1 to 35			
	Positioning repeatability [mm]		±0.02			
	Lost motion [mm] <sup>*)</sup>		0.1 or less			
	Screw Lead [mm]		20	12	6	3
	Impact/Vibration resistance [m/s <sup>2</sup> ] <sup>*)</sup>		50 / 20			
Electrical	Actuation type		Ball screw (EQYG*DH) Ball screw + Belt (EQYG*H)			
	Guide type		Sliding bearing (EQYG*M) Ball bush bearing (EQYG*L)			
	Operating temperature [°C]		5 to 40			
	Operating humidity [% RH]		90 or less (no condensation)			
Lock	Motor size [mm]		□42			
	Motor type		Battery-less absolute (Step motor 24 VDC)			
	Encoder (angular displacement sensor)		Battery-less absolute			
	Power supply voltage [V] <sup>*)</sup>		24 VDC ±10%			
	Max. Power [W] <sup>*)</sup> <sup>11)</sup>		86			
	Lock Type <sup>*)</sup>		Non excitation lock			
Lock	Holding force [N]		47	78	157	294
	Power consumption [W] <sup>*)</sup>		5			
	Power supply voltage [V]		24 VDC ±10%			

2. Specifications (continued)

2.3 EQYG32 series

	Model		EQYG32			
Actuator specification	Stroke [mm]		30 to 300			
	Max. work load [kg] <sup>*)</sup>	Horizontal	30	50	90	100
		Vertical	1	11	24	44
	Pushing Force [N] <sup>*)</sup> <sup>2)</sup> <sup>3)</sup> <sup>4)</sup>		60~140	90~209	176~411	341~796
	Speed [mm/s]		36~900	24~800	12~400	6~200
	Max. acceleration/ deceleration [mm/s <sup>2</sup> ]	Horizontal	10,000			
		Vertical	5,000			
	Pushing speed [mm/s <sup>2</sup> ] <sup>*)</sup>		1 to 30			
	Positioning repeatability [mm]		±0.02			
	Lost motion [mm] <sup>*)</sup>		0.1 or less			
	Screw Lead [mm]		24	16	8	4
	Impact/Vibration resistance [m/s <sup>2</sup> ] <sup>*)</sup>		50 / 20			
Electrical	Actuation type		Ball screw (EQYG*DH) Ball screw + Belt (EQYG*H)			
	Guide type		Sliding bearing (EQYG*M) Ball bush bearing (EQYG*L)			
	Operating temperature [°C]		5 to 40			
	Operating humidity [% RH]		90 or less (no condensation)			
Lock	Motor size [mm]		□56.4			
	Motor type		Battery-less absolute (Step motor 24 VDC)			
	Encoder (angular displacement sensor)		Battery-less absolute			
	Power supply voltage [V] <sup>*)</sup>		24 VDC ±10%			
	Max. Power [W] <sup>*)</sup> <sup>11)</sup>		109			
	Lock Type <sup>*)</sup>		Non excitation lock			
Lock	Holding force [N]		75	108	216	421
	Power consumption [W] <sup>*)</sup>		5			
	Power supply voltage [V]		24 VDC ±10%			

Notes

- <sup>\*)</sup>1) Horizontal : Use an external guide (external guide friction coefficient: 0.1 or less).  
The maximum value of the work load for the positioning operation.  
The actual transported mass and transport speed will vary depending on the external guide conditions.  
Vertical : Use an external guide (external guide friction coefficient: 0.1 or less) when the rod is directed upward or radial load is applied to the rod.  
This is the maximum value of the work load for the positioning operation.  
The actual transported mass and transport speed will vary depending on the external guide conditions.  
Check the speed/acceleration and duty ratio depending on the payload in the "Speed vs. payload graph" in the catalogue.  
Set the acceleration/deceleration to horizontal: 10,000 [mm/s<sup>2</sup>] or less, vertical: 5,000 [mm/s<sup>2</sup>] or less.
- <sup>\*)</sup>2) Pushing force accuracy is ±20% (F.S.).
- <sup>\*)</sup>3) The setting range for the "Pushing force" is from 25% to 45% (EQYG16\*H), 25% to 50% (EQYG25\*H), 30% to 70% (EQYG32\*H)  
The pushing force setting range varies depending on the duty ratio and pushing speed. Check the "Thrust Conversion Graph" in the catalogue.
- <sup>\*)</sup>4) Speed and thrust may vary depending on the cable length, load, installation conditions, etc.  
If the cable length exceeds 5 m, the speed/thrust will decrease by up to 10% for every 5 m. (for 15 m: max. 20% reduction)
- <sup>\*)</sup>5) "Pushing speed" is the allowable speed for the pushing operation.  
When transporting and pushing a workpiece, operate the actuator according to the "vertical load capacity" or less.
- <sup>\*)</sup>6) This is a reference value for correcting errors in reciprocating motion.
- <sup>\*)</sup>7) Impact resistance: In a drop impact test, no malfunction occurred in the axial direction and perpendicular direction of the feed screw (at the initial state).  
Vibration resistance: 45 to 2000 Hz, 1 sweep, no malfunction in the axial direction and perpendicular direction of the feed screw (at the initial state).
- <sup>\*)</sup>8) Refer to the catalogue for the IO-Link communication power supply specifications (for products with IO-Link).
- <sup>\*)</sup>9) Power indicates the maximum power during operation including the controller. Use this when selecting the power supply capacity.
- <sup>\*)</sup>10) For an actuator with lock, add the power consumption for the lock.
- <sup>\*)</sup>11) Only applies to actuators supplied with a lock.

2. Specifications (continued)

2.4 Weight [kg]

- Motor mounting position: Parallel (top side)

Series	EQYG16MH					EQYG16LH				
Stroke	30	50	100	150	200	30	50	100	150	200
Weight	1.10	1.23	1.48	1.79	2.02	1.11	1.23	1.42	1.73	1.94
Lock	0.19									

Series	EQYG25MH							EQYG25LH						
Stroke	30	50	100	150	200	250	300	30	50	100	150	200	250	300
Weight	2.23	2.42	2.74	3.16	3.50	3.84	4.10	2.24	2.45	2.69	3.12	3.38	3.70	3.94
Lock	0.31													

Series	EQYG32MH							EQYG32LH						
Stroke	30	50	100	150	200	250	300	30	50	100	150	200	250	300
Weight	3.56	3.82	4.37	4.93	5.60	6.09	6.53	3.56	3.83	4.22	4.77	5.31	5.82	6.21
Lock	0.58													

- Motor mounting position: In-line

Series	EQYG16MD*H					EQYG16LD*H				
Stroke	30	50	100	150	200	30	50	100	150	200
Weight	1.09	1.21	1.46	1.77	2.01	1.10	1.21	1.40	1.71	1.93
Lock	0.19									

Series	EQYG25MD*H							EQYG25LD*H						
Stroke	30	50	100	150	200	250	300	30	50	100	150	200	250	300
Weight	2.09	2.28	2.60	3.02	3.36	3.70	3.96	2.10	2.31	2.55	2.98	3.24	3.56	3.80
Lock	0.31													

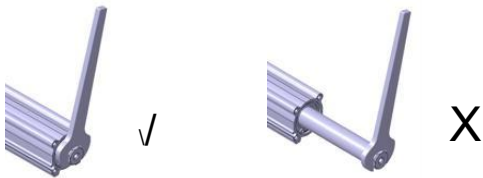
Series	EQYG32MD*H							EQYG32LD*H						
Stroke	30	50	100	150	200	250	300	30	50	100	150	200	250	300
Weight	3.37	3.63	4.18	4.74	5.41	5.90	6.34	3.37	3.64	4.03	4.58	5.12	5.63	6.02
Lock	0.58													

Warning

For special products which include a suffix of “-X#”, “-D#”, please refer to the customer drawing of that specific

3 Installation (continued)

- When screwing a bracket or nut onto the threaded portion at the tip of the piston rod, make sure to retract the piston rod fully, and place a wrench over the flat portion of the rod that protrudes. Tighten with consideration to prevent the tightening torque from being applied to the non-rotating guide.



3.2 Environment

Warning

- Do not use in an environment where corrosive gases, chemicals, salt water or steam are present.
- Do not use in an explosive atmosphere.
- Do not expose to direct sunlight. Use a suitable protective cover.
- Do not install in a location subject to vibration or impact in excess of the product's specifications.
- Do not mount in a location exposed to radiant heat that would result in temperatures in excess of the product's specifications.
- Avoid use in the following environments:
  - Locations where a large amount of dust and cutting chips are airborne.
  - Locations where the ambient temperature is outside the range of the temperature specification (refer to specifications).
  - Locations where the ambient humidity is outside the range of the humidity specification (refer to specifications).
  - Locations where strong magnetic or electric fields are generated.
  - Locations where direct vibration or impact is applied to the product.
  - Areas that are dusty, or are exposed to splashes of water and oil drops.
  - Environments at an altitude of 1000 meters or higher. Heat

dissipation and withstand voltage will decrease. Contact SMC for details.

- Do not use in an environment where the product is directly exposed to liquid, such as cutting oils.
- Install a protective cover when the product is used in an environment directly exposed to foreign matter such as dust, cutting chips and spatter.

3.3 Lubrication

Caution

- The product has been lubricated for life at manufacture and does not require lubrication in service. If a lubricant is to be used, contact SMC.

3.4 Mounting

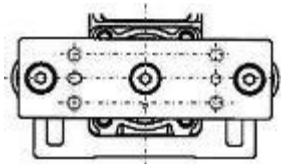
Warning

- Do not make any alterations to the product.
- Alterations made to this product may lead to a loss of durability and damage to the product, which can lead to injury and damage to other equipment and machinery.
- When an external guide is used, connect the moving parts of the product and the load in such a way that there is no interference at any point within the stroke.
- Do not scratch or damage the sliding part by hitting it with an object. Components are manufactured to precise tolerances, so the slightest deformation may cause faulty operation.
- Prevent seizure of rotating parts (pins, etc.) by applying grease.
- Do not use the product until it is verified that the equipment can operate properly.
- After mounting or repair, connect the power supply to the product and perform appropriate functional inspections to check it is mounted correctly.
- When mounting the actuator or attaching the work piece, do not apply strong impact or large moment.

3. Installation (continued)

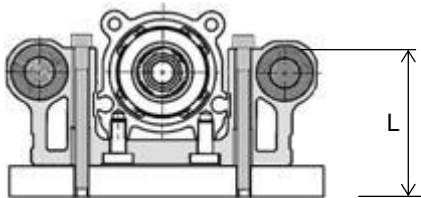
- If an external force above the allowable moment is applied, it may cause looseness in the guide unit, an increase in sliding resistance or other problems.
- Allow sufficient space for maintenance and inspection.
- The electric actuator and its peripheral devices should be installed on a fire-proof material. Direct installation on or near a flammable material may cause a fire.
- Take measures to ensure that the operating temperature of the actuator and its peripheral devices are within the range of the specifications. The actuator should be installed with 40 mm or more space between each side of it and other equipment or components.
- Do not mount the controller or its peripheral devices near a large electromagnetic contactor or non fused breaker which generate vibration on the same panel. Mount them on different panels, or keep the controller and its peripheral devices away from a vibration source.

Work fixing / Plate tapped style



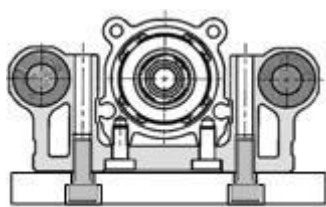
Model	Screw	Max. tightening torque [N•m]	Max. thread depth [mm]
EQYG16	M5 x 0.8	3.0	8
EQYG25	M6 x 1.0	5.2	11
EQYG32	M6 x 1.0	5.2	12

Actuator Mounting / Upper mounting screw



Model	Screw	Max. tightening torque [N•m]	Length L [mm]
EQYG16	M4 x 0.7	1.5	31.8
EQYG25	M5 x 0.8	3.0	40.3
EQYG32	M5 x 0.8	3.0	50.3

Actuator Mounting / Lower mounting screw



Model	Screw	Max. tightening torque [N•m]	Max. thread depth [mm]
EQYG16	M5 x 0.8	3.0	10
EQYG25	M6 x 1.0	5.2	12
EQYG32	M6 x 1.0	5.2	12

4. Wiring

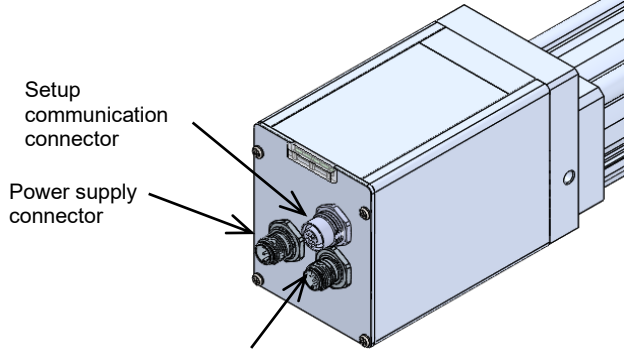
Warning

- Adjustment, installation, inspection, or wiring changes should be conducted with the power supply turned OFF. Never connect or disconnect the cables with the power supply ON.
- Do not disassemble the cables.

Caution

- Wire the connector correctly and securely.
- Take appropriate measures against noise. Noise in a signal line may cause malfunction. As a countermeasure separate the high voltage and low voltage cables, and shorten the wiring lengths, etc.
- Do not route input/output wires and cables together with power or high voltage cables. The product can malfunction due to noise interference and surge voltage from power and high voltage cables close to the signal line. Route the wires of the product separately from power or high voltage cables.
- Take care that actuator movement does not damage the cables.
- Operate with all cables secured.
- Avoid twisting, folding, rotating or applying an external force to the cable.
- Select "Robotic cables" in applications where cables are moving repeatedly (encoder/ motor/ lock).
- Confirm correct insulation. Poor insulation of cables and connectors etc. can cause interference with other circuits. Also there is the possibility that excessive voltage or current may be applied to the product causing damage.
- When mounting the actuator, leave a space of 40 mm or more to allow for bending of the actuator cable.
- Use a power supply with low noise between lines and between the power and ground. In cases where noise is high, an isolation transformer should be used.
- If the power supply is of the inrush-current limited type, a voltage drop may occur during the acceleration or deceleration of the actuator.

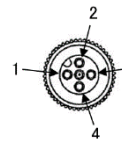
4.1 Wiring and Connection



Parallel I/O connector (EQ\* -B5, -B6) or IO-Link communication connector (EQ\* -BLA, BLB).

4.2 Power supply connector (EQ\* -B5, -B6)

- Connect the power supply cable (SMC part number JX-CDS-E-\* -S with straight connector, JX-CDA-E-\* -S with angled connector) to the power supply connector on the actuator (cable supplied separately).
- Tighten the connector to a torque of 0.6 N•m.
- Connector: M12 4-pin socket, A code (normal key).
- Cable specification: AWG22, number of cores: 4



Pin No.	Wire colour	Name	Function
1	Brown	C24V	Control power supply +
2	White	M24V	Motor power supply +
3	Blue	0V	Common power supply -
4	Black	LK RLS	Lock release +

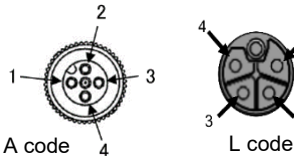
(View on cable connector)

4. Wiring (continued)

4.3 Power supply (for IO-Link) connector (EQ\* -BLA, -BLB)

- Connect the power supply cable (SMC part number JX-CDS-E-\* -S with straight connector, JX-CDA-E-\* -S with angled connector) to the power supply connector on the actuator for the A code connector (cable supplied separately).
- For the L code connector the cable must be provided by the user.
- Tighten the connector to a torque of 0.6 N•m.

- Connector: M12 5-pin socket, A code (normal key). M12 5-pin socket, L code (normal key).
- Cable specification: AWG22, number of cores: 4



Note: Please confirm connector interference in advance when selecting the L code.

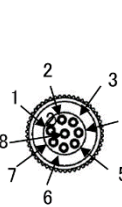
Pin No.	Wire colour (A code)	Wire colour (L code)	Name	Function
1	Brown	Cable prepared by the user	P24V	The product power supply (+) supplied to the electric actuator
2	White		LK RLS	Lock release (+) input
3	Blue		0V	Common for P24V /LK RLS (-)
4	-		Not used	-

(View on cable connector)

4.4 Parallel I/O connector (EQ\* -B5, -B6)

- Connect the parallel I/O cable (SMC part number JX-CIS-E-\* -S with straight connector, JX-CIA-E-\* -S with angled connector) to the parallel I/O connector on the actuator (cable supplied separately).

- Tighten the connector to a torque of 0.6 N•m.
- Connector: M12 8-pin socket, A code (normal key).
- Cable specification: AWG22, number of cores: 8



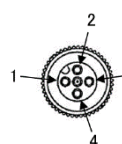
(View on cable Connector)

Pin No.	Wire colour	Signal Name
1	White	IN0
2	Brown	IN1
3	Green	RESET
4	-	Not used
5	Grey	OUT0
6	Pink	OUT1
7	Blue	OUT2
8	Red	ALARM

- NPN and PNP specifications are available for this electric actuator (the parallel I/O type is different between the NPN and PNP type).
- The parallel I/O is of non-isolated specification.
- Use the electric actuator power supply 24 VDC for the power supply of both parallel input and output. (Use the same input power supply as the control power supply C24V for the parallel input/output power supply).
- For further details of the I/O functions available refer to the operation manual on the SMC website (URL: <https://www.smcworld.com>).

4.5 IO-Link communication connector (EQ\* -BLA, -BLB)

- Connect the IO-Link communication cable (SMC part number EX9-AC\*-SSPS with straight connector, EX9-AC\*-SSPA with angled connector) to the communication connector on the actuator (cable supplied separately).
- Tighten the connector to a torque of 0.6 N•m.
- Connector: M12 5-pin socket, A code (normal key).
- Cable specification: AWG22, number of cores: 5



Pin No.	Wire colour	Name	Function
1	Brown	L+	IO-Link power supply +
2	White	-	Not used
3	Blue	L-	IO-Link power supply -
4	Black	C/Q	IO-Link communication

(View on cable connector)



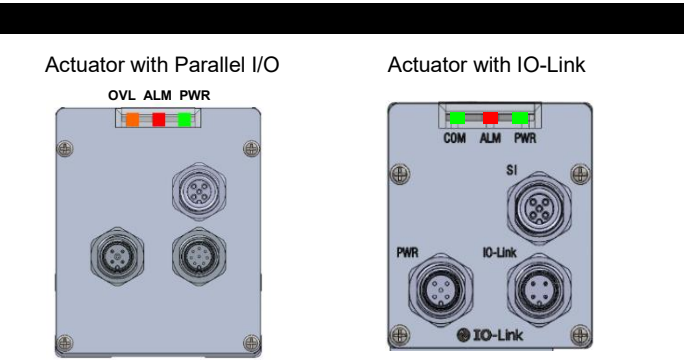
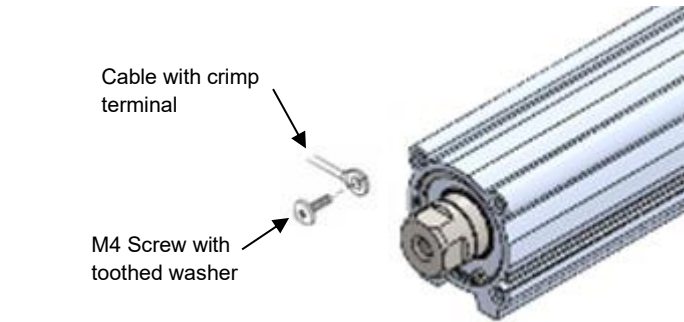
4. Wiring (continued)

4.6 Communication cable

- Connect the communication cable (SMC part number JX-CT-E) to the communication connector on the actuator (cable supplied separately).
- A USB cable with A-mini B connector (SMC part number LEC-W2-U) is required for connection to a PC (option).
- The communication cable should be used for initial setup and configuration, using the latest configuration software available on the SMC website (URL: <https://www.smcworld.com>).

4.7 Actuator Ground connection

- Ensure that the product is connected to ground to improve the noise tolerance of the electric actuator.
- A dedicated ground connection should be used for the actuator.
- The ground connection should be to a D-class ground (resistance 100 Ω or less). Wire size 2 mm<sup>2</sup> minimum.
- The grounding point should be as near as possible to the electric actuator to keep the wire length short.
- Appropriate measures should be taken to prevent lightning surges. Ground the surge absorber separately from the grounding of the actuator and its peripheral devices.



LED	Colour	LED Status	Status
PWR	Green	ON	Normal
ALM	Red	OFF	No alarms
OVL	Orange	OFF	No Overload warning (-B5, -B6 only)
COM	Green	Flashing	IO-Link communication established (-BLA, BLB only)

- If the LED [PWR] on the electric actuator is ON green, it is in normal condition.
- If the LED [PWR] on the electric actuator is OFF, the voltage between M24V - 0V is low or at 0 VDC.
- If the LED [ALM] on the electric actuator is ON red, an alarm has been generated.
- If the LED [OVL] on the electric actuator is ON orange, the electric actuator operation may be in an overload condition (Actuator with Parallel I/O).
- If the LED [COM] is flashing green IO-Link communication is established and normal (Actuator with IO-Link).

6. How to Order

Refer to the catalogue on the SMC website.  
(URL: <https://www.smcworld.com>) for the How to Order information.

7. Outline Dimensions (mm)

Refer to the drawings / operation manual on the SMC website  
(URL: <https://www.smcworld.com>) for outline dimensions.

8. Maintenance

8.1 General Maintenance



- Not following proper maintenance procedures could cause the product to malfunction and lead to equipment damage.
- If handled improperly electricity and compressed air can be dangerous.
- Maintenance of electromechanical and pneumatic systems should be performed only by qualified personnel.
- Before performing maintenance, turn OFF the power supply.
- After installation and maintenance, apply power to the equipment and perform appropriate functional tests to make sure the equipment is installed correctly.
- If any electrical connections are disturbed during maintenance, ensure they are reconnected correctly and safety checks are carried out as required to ensure continued compliance with applicable national regulations.
- Do not make any modification to the product.
- Do not disassemble the product, unless required by installation or maintenance instructions.

8.2 Periodical Maintenance

Frequency	Appearance Check	Internal check	Belt Check
Before daily operation	✓	-	-
Every 6 months	✓	✓	✓
Every 1,000 km	✓	✓	✓
Every 5 million cycles	✓	✓	✓

- Following any maintenance, always perform a system check. Do not use the product if any error occurs, as safety cannot be assured if caused by any un-intentional malfunction.

8.3 Appearance Check

- The following items should be visually checked to ensure that the actuator remains in good condition and there are no concerns;
- Loose Screws,
  - Abnormal level of dust or dirt,
  - Visual flaws / faults,
  - Cable connections,
  - Abnormal noises or vibrations.

8.4 Internal check

1. Lubricant condition on moving parts.
2. Loose mechanical play in fixed parts and fixing screws.

8.5 Belt Check

If one of the 6 conditions below are seen, do not continue operating the actuator and immediately contact SMC.

- a. Tooth shaped canvas is worn out.**  
Canvas fibre becomes “fuzzy”, rubber is removed, and the fibre gains a white colour. The lines of fibre become very unclear.



- b. Peeling off or wearing of the side of the belt.**  
The corner of the belt becomes round and frayed, with threads beginning to stick out.



8. Maintenance (continued)

- c. Belt is partially cut.**  
Belt is partially cut. Foreign matter could be caught in the teeth and cause flaws.

- d. Vertical line of belt teeth.**  
Flaw which is made when the belt runs on the flange.

- e. Rubber back of the belt is softened and sticky.**

- f. Crack on the back of the belt.**



9. Limitations of Use

9.1 Limited warranty and Disclaimer/Compliance Requirements

Refer to Handling Precautions for SMC Products.

10. Product disposal

This product should not be disposed of as municipal waste. Check your local regulations and guidelines to dispose of this product correctly, in order to reduce the impact on human health and the environment.

11. Contacts

Refer to [www.smcworld.com](http://www.smcworld.com) or [www.smc.eu](http://www.smc.eu) for your local distributor / importer.

SMC Corporation

URL : <http://www.smcworld.com> (Global) <http://www.smceu.com> (Europe)  
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Specifications are subject to change without prior notice from the manufacturer.  
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Template: DKP50047-F-085O