

e-Rodless Actuator/6-point stoppable type

E-MY2※-※-X1829

SMC CORPORATION
4-14-1, SOTO-KANDA, CHIYODA-KU,
TOKYO 101-0021, JAPAN
URL: <http://www.smcworld.com>

Feature:

Positioning possible at 4 intermediate points and at both ends (2 points)

Available for all 4 Series



Basic type



Linear guide single axis

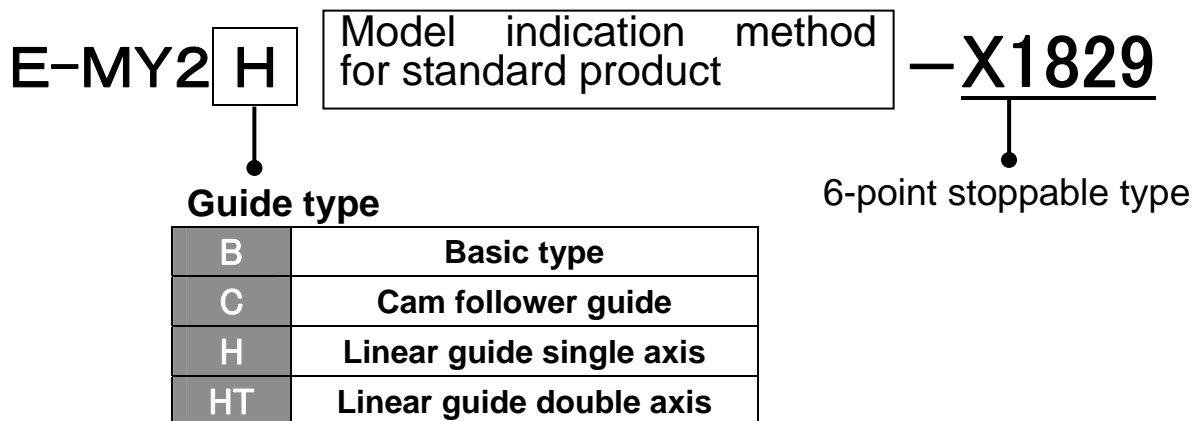


Cam follower guide



Linear guide double axis

Model Indication Method:



Specifications :

Same as the standard product.

Dimensions: mm

Same as the standard product.

Setting

<Setting of intermediate position>

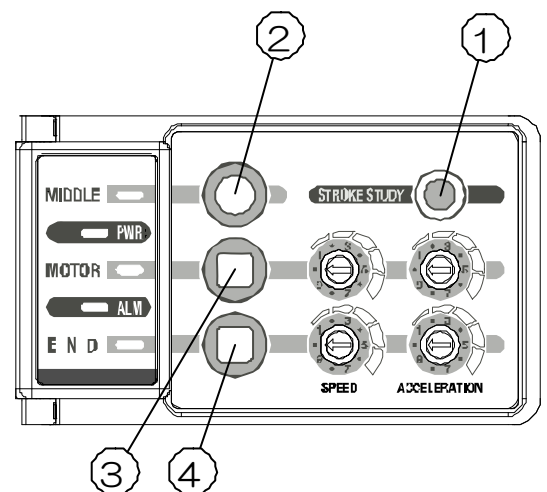
1. Slider is moved to the specified intermediate position with following method.

●Operation method

Travel to intermediate position 1	Press ② again within 3s. after pressing ②
Travel to intermediate position 2	Press ③ within 3s. after pressing ②
Travel to intermediate position 3	Press ④ within 3s. after pressing ②
Travel to intermediate position 4	Press ① (STROKE STUDY) again within 3s after pressing ②

Note) After pressing □, the indicator lamp of MIDDLE, MOTOR, and END blink for max. 3s.
When intermediate position is not set, position 1 to 4 are all set at the center of the stroke.

2. By push of ② over 1s at least again during lighting of MIDDLE indicator lamp setting mode for intermediate position is achieved.
3. Confirm the MIDDLE indicator lamp is flashing.
4. Select setting method between direct teaching setting and JOG teaching setting. Initially, intermediate position is set to the point on half of adjusted stroke.
 - 4-1 Direct teaching setting.
Move slider manually during setting.
 - 4-2 JOG teaching setting.
Move slider by push of ③ or ④ of controller during setting.
5. After the intermediate position is fixed, push ② over 1s to return the actuator to normal operation.



< Trial operation >

Push ①、②、③ and ④ to check the operation adjusted in the above processes.

●Operation method

Travel to motor side	Press ③
Travel to end side	Press ④
Travel to intermediate position 1	Press ② again within 3s after pressing ②
Travel to intermediate position 2	Press ③ again within 3s after pressing ②
Travel to intermediate position 3	Press ④ again within 3s after pressing ②
Travel to intermediate position 4	Press ① (STROKE STUDY) again within 3s after pressing ②

Example of Internal Circuit and Wiring

Power cable 2 core AWG20 (20/0.16 mm²)

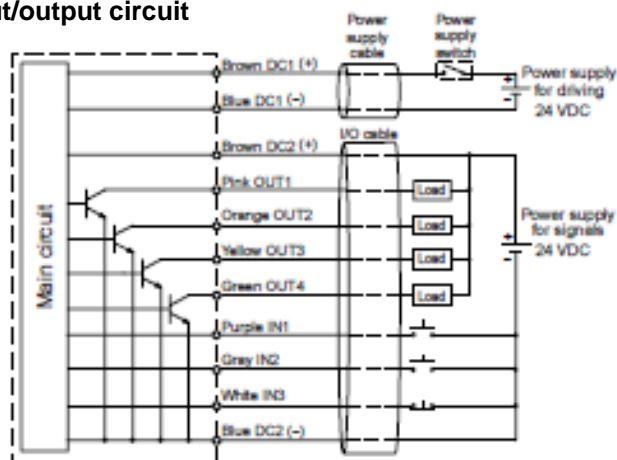
Symbol	Core color	Signal name	Description
DC1(+)	Brown	Vcc	Power cable for actuators
DC1(-)	Blue	GND	

I/O cable 11 core AWG28 (7/0.127 mm²)

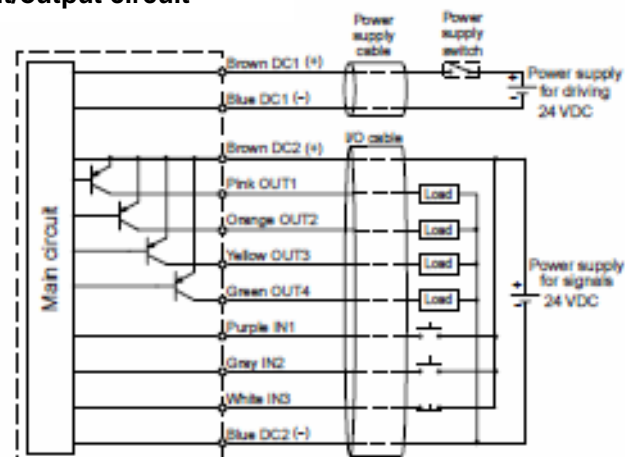
記号	ケーブル色	信号名	内容
DC2(+)	Brown	Vcc	Power cable for signals
DC2(-)	Blue	GND	
OUT1	Pink	READY output	The signal to show that the controller can be operated.
OUT2	Orange	Positioning finish output 1	The signals to show that the positioning has been finished.
OUT3	Yellow	Positioning finish output 2	
OUT4	Red	Positioning finish output 3	
OUT5	Green	Alarm output	The signal to show that an alarm occurred .
IN1	Purple	Drive command input 1	The signals to send a drive command.
IN2	Gray	Drive command input 2	
IN3	Black	Drive command input 3	
IN4	White	Emergency stop input	The signal to send an emergency stop command (emergency stop when contact is open).

*The product can be used without the connection of an I/O cable, but in this case, consider safety and install power supply switches for drive. In the event of an emergency, turn off the switch.

NPN input/output circuit



PNP input/output circuit



Input signal

Command	Symbol		
	IN1	IN2	IN3
Command to operate motor side	○	-	-
Command to operate end side	-	○	-
Command to operate intermediate stop 1	-	-	○
Command to operate intermediate stop 2	○	-	○
Command to operate intermediate stop 3	-	○	○
Command to operate intermediate stop 4	○	○	○
External input stop command	○	○	-

Output signal

Actuator condition	Symbol				
	OUT1	OUT2	OUT3	OUT4	OUT5
External control allowed	○	-	-	-	-
When motor side positioning completed	○	○	-	-	-
When end side positioning completed	○	-	○	-	-
When intermediate stop 1 positioning completed	○	-	-	○	-
When intermediate stop 2 positioning completed	○	○	-	○	-
When intermediate stop 3 positioning completed	○	-	○	○	-
When intermediate stop 4 positioning completed	○	○	○	○	-
External input stop operation is completed	○	○	○	-	-
Actuating	-	-	-	-	-
Alarm occurring	-	-	-	-	○



Caution To ensure the safest possible operation of this product, please be sure to read thoroughly the "Safety Instructions" in our "Best Pneumatics" catalog before use.