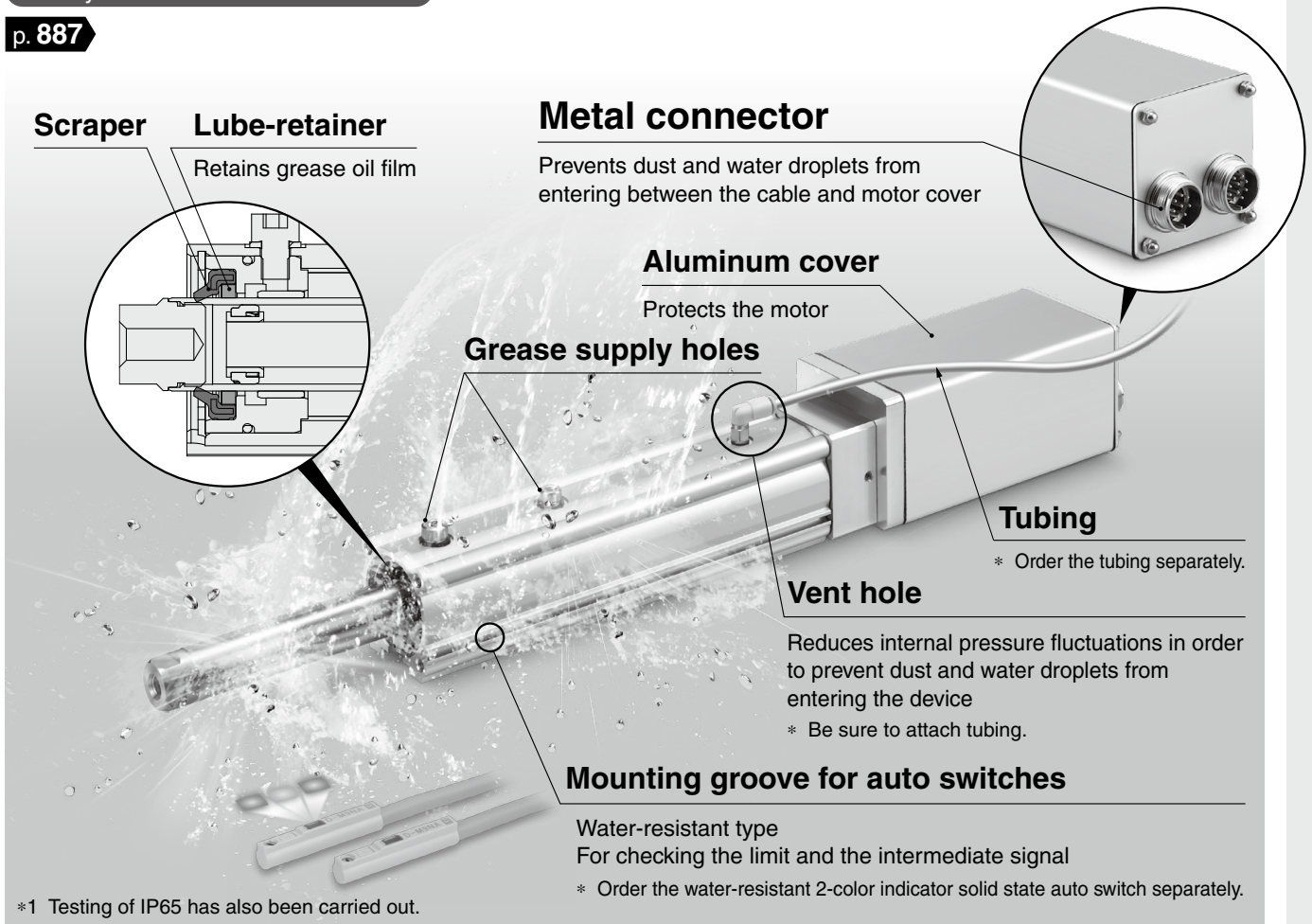


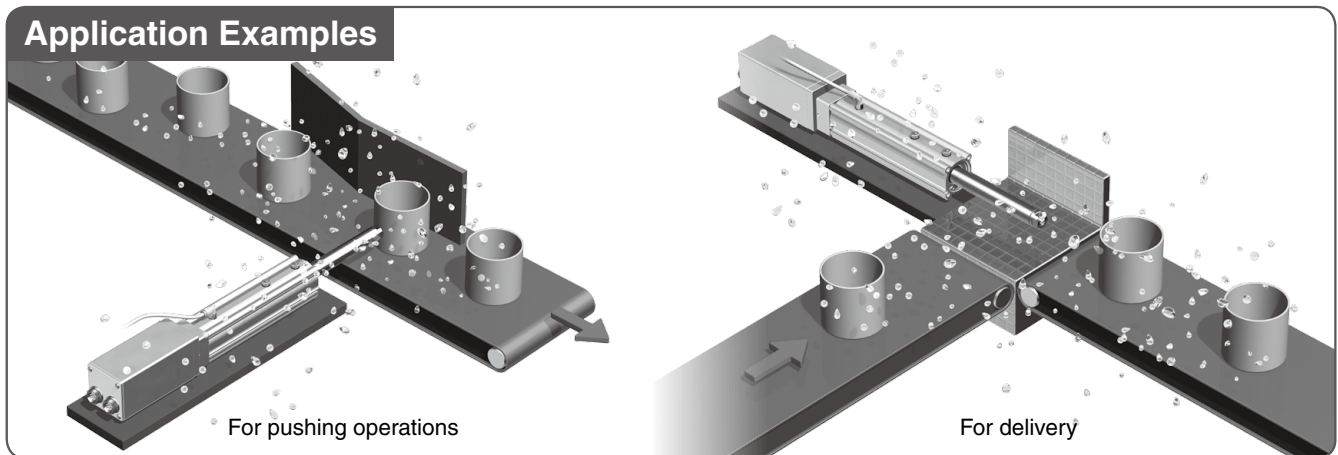
LEY-X8 Series Size 25, 32, 40

Battery-less Absolute (Step Motor 24 VDC)

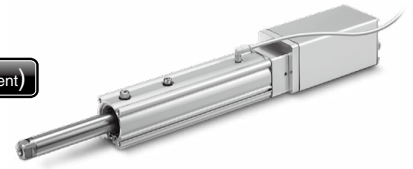
p. 887



Battery-less absolute encoder compatible



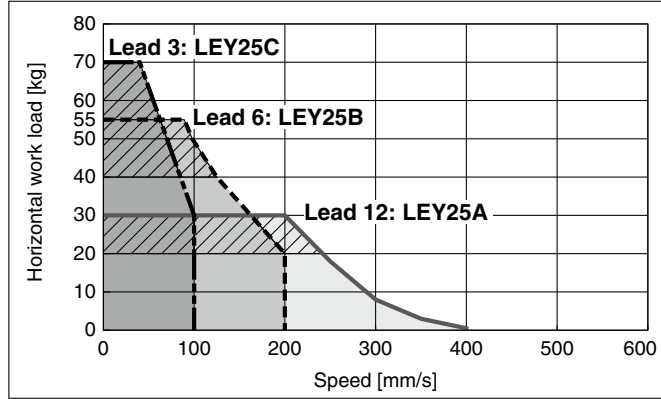
Model Selection



Speed-Work Load Graph (Guide)

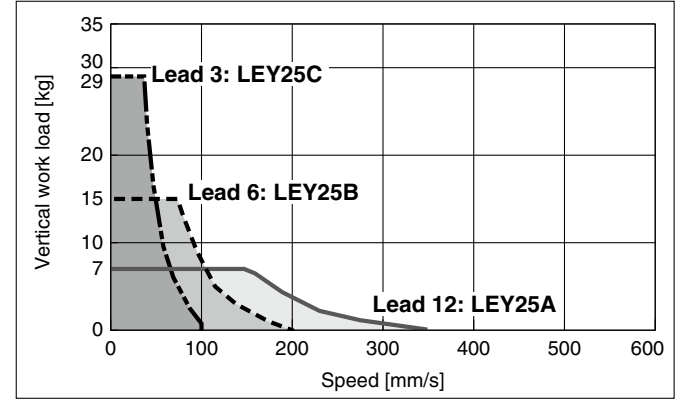
Horizontal

LEY25□E-X8 ▨ for acceleration/deceleration: 2000 mm/s²

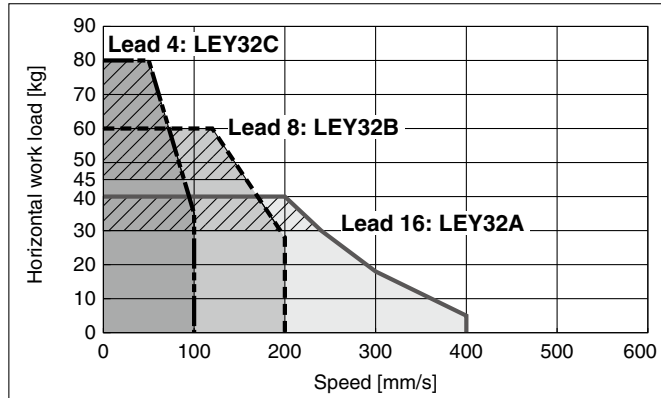


Vertical

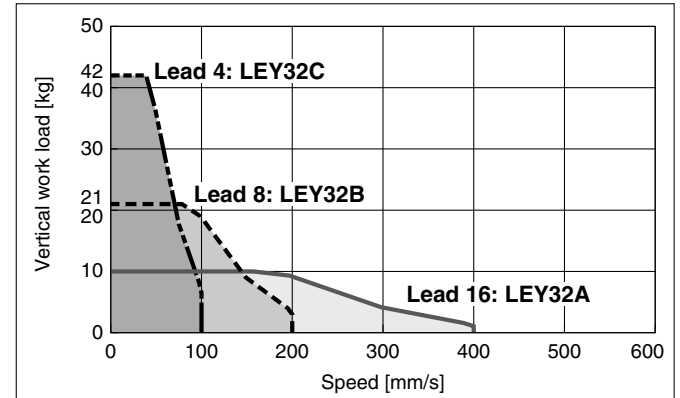
LEY25□E-X8



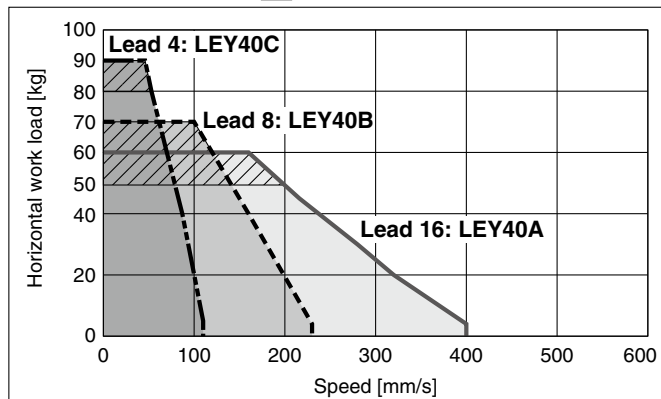
LEY32□E-X8 ▨ for acceleration/deceleration: 2000 mm/s²



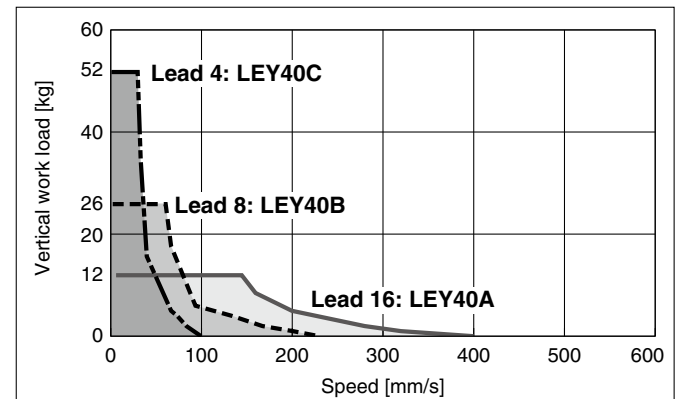
LEY32□E-X8



LEY40□E-X8 ▨ for acceleration/deceleration: 2000 mm/s²



LEY40□E-X8

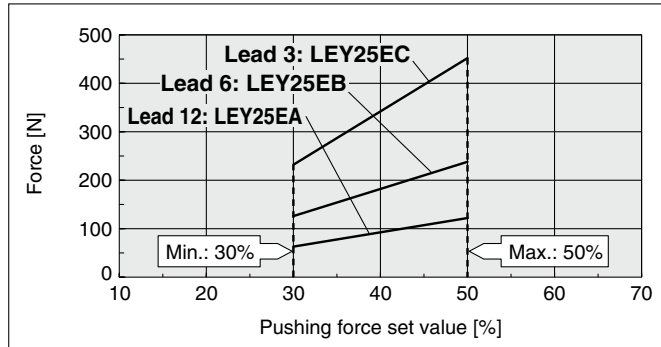


Items not listed are the same as those of the standard product. For details, refer to page 421.

Force Conversion Graph (Guide)

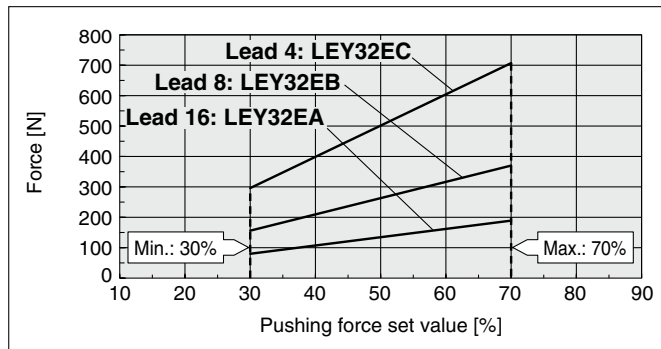
Battery-less Absolute (Step Motor 24 VDC)

LEY25□E-X8



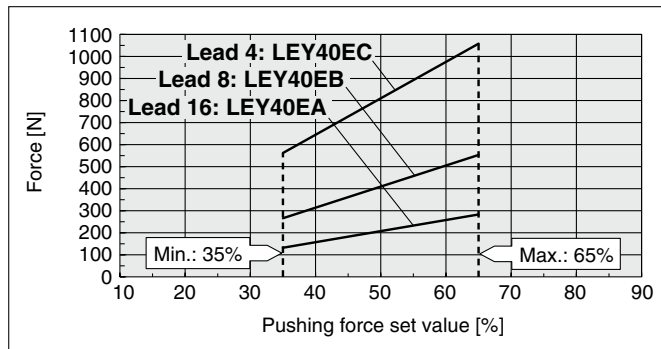
Ambient temperature	Pushing force set value [%]	Duty ratio [%]	Continuous pushing time [min]
40°C or less	50 or less	100	No restriction

LEY32□E-X8



Ambient temperature	Pushing force set value [%]	Duty ratio [%]	Continuous pushing time [min]
40°C or less	70 or less	100	No restriction

LEY40□E-X8



Ambient temperature	Pushing force set value [%]	Duty ratio [%]	Continuous pushing time [min]
40°C or less	65 or less	100	No restriction

<Limit Values for Pushing Force and Trigger Level in Relation to Pushing Speed> Without Load

Model	Lead	Pushing speed [mm/s]	Pushing force (Setting input value)
LEY25□E	A/B/C	21 to 35	40 to 50%
LEY32□E	A	24 to 30	50 to 70%
	B/C	21 to 30	
LEY40□E	A	24 to 30	50 to 65%
	B/C	21 to 30	

There is a limit to the pushing force in relation to the pushing speed. If the product is operated outside of the range (low pushing force), the completion signal [INP] may be output before the pushing operation has been completed (during the moving operation).
If operating with the pushing speed below the min. speed, please check for operating problems before using the product.

<Set Values for Vertical Upward Transfer Pushing Operations>

For vertical loads (upward), set the pushing force to the max. value shown below and operate at the work load or less.

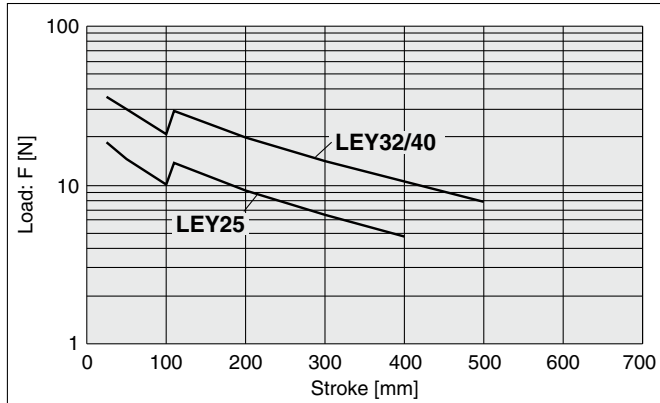
Model	LEY25□E			LEY32□E			LEY40□E		
	A	B	C	A	B	C	A	B	C
Work load [kg]	2.5	5	10	4.5	9	18	7	14	28
Pushing force	50%			70%			65%		

LEY-X8 Series

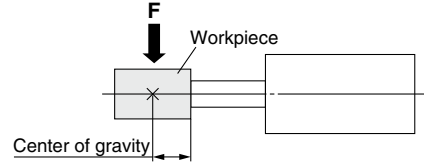
Battery-less Absolute (Step Motor 24 VDC)

Dust-tight/Water-jet-proof (IP65 Equivalent/IP67 Equivalent)

Graph of Allowable Lateral Load on the Rod End (Guide)



[Stroke] = [Product stroke] + [Distance from the rod end to the center of gravity of the workpiece]

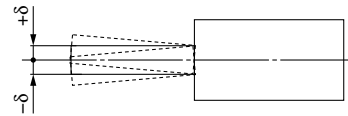


* The changes in the graph waveforms are due to the difference in components of different product strokes.

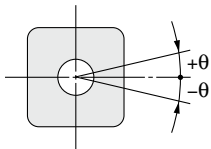
Rod Displacement: δ [mm]

Stroke \ Size	30	50	100	150	200	250	300	350	400	450	500
25	±0.3	±0.4	±0.7	±0.7	±0.9	±1.1	±1.3	±1.5	±1.7	—	—
32/40	±0.3	±0.4	±0.7	±0.6	±0.8	±1.0	±1.1	±1.3	±1.5	±1.7	±1.8

* The values without a load are shown.



Non-rotating Accuracy of Rod



Size	Non-rotating accuracy θ
25	±0.8°
32/40	±0.7°

* Avoid using the electric actuator in such a way that rotational torque would be applied to the piston rod.

This may cause the deformation of the non-rotating guide, abnormal auto switch responses, play in the internal guide, or an increase in the sliding resistance.

Battery-less Absolute (Step Motor 24 VDC)

Rod Type

Dust-tight/Water-jet-proof (IP65 Equivalent/IP67 Equivalent)



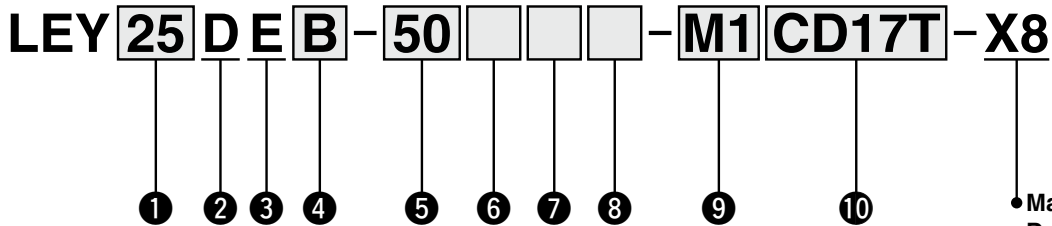
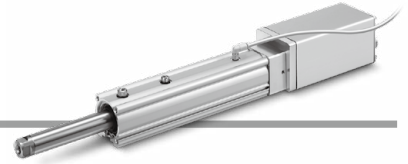
* For details, refer to page 1343 and onward.

LEY-X8 (Made to Order) Series LEY25, 32, 40



Refer to pages 883 to 885 for model selection.

How to Order



● Made to order: Dust-tight/Water-jet-proof
For details on controllers, refer to page 888.

1 Size

25
32/40

2 Motor mounting position

D	In-line
---	---------

3 Motor type

E	Battery-less absolute (Step motor 24 VDC)
---	---

4 Lead [mm]

Symbol	LEY25	LEY32/40
A	12	16
B	6	8
C	3	4

5 Stroke [mm]

30	30
to	to
500	500

* For details, refer to the applicable stroke table below.

6 Motor option

Nil	Without option
B	With lock

7 Rod end thread

Nil	Rod end female thread
M	Rod end male thread (1 rod end nut is included.)

8 Mounting*2

Symbol	Type	Motor mounting position
		In-line
Nil	Ends tapped/ Body bottom tapped*3	●
F	Rod flange*3	●

9 Actuator cable type/length

Robotic cable				[m]
MN	None	M8	8*4	
M1	1.5	MA	10*4	
M3	3	MB	15*4	
M5	5	MC	20*4	

Applicable Stroke Table*1

●: Standard

Model	Stroke [mm]	30	50	100	150	200	250	300	350	400	450	500	Manufacturable stroke range
LEY25		●	●	●	●	●	●	●	●	●	—	—	30 to 400
LEY32/40		●	●	●	●	●	●	●	●	●	●	●	30 to 500

* For auto switches, refer to page 894.

* "-X8" is not added to an actuator model with a controller part number suffix. Example) "LEY25DEB-100" for the LEY25DEB-100M-M1CD17T-X8

10 Controller

Nil	Without controller
C□1□□	With controller

C D 1 7 T

Interface (Communication protocol/Input/Output)

Symbol	Type	Number of axes, Special specification	
		Standard	With STO sub-function
5	Parallel input (NPN)	●	
6	Parallel input (PNP)	●	
E	EtherCAT	●	●
9	EtherNet/IP™	●	●
P	PROFINET	●	●
D	DeviceNet®	●	
L	IO-Link	●	●
M	CC-Link	●	

Mounting

7	Screw mounting
8*5	DIN rail

Number of axes, Special specification

Symbol	Number of axes	Specification
1	Single axis	Standard
F	Single axis	With STO sub-function

Communication plug connector, I/O cable*6

Symbol	Type	Applicable interface
Nil	Without accessory	—
S	Straight type communication plug connector	DeviceNet® CC-Link Ver. 1.10
T	T-branch type communication plug connector	
1	I/O cable (1.5 m)	Parallel input (NPN) Parallel input (PNP)
3	I/O cable (3 m)	
5	I/O cable (5 m)	

- *1 Please contact SMC for non-standard strokes as they are produced as special orders.
- *2 The mounting bracket is shipped together with the product but does not come assembled.
- *3 For the horizontal cantilever mounting of the rod flange, or ends tapped types, use the actuator within the following stroke range.
 - LEY25: 200 or less
 - LEY32/40: 100 or less

- *4 Produced upon receipt of order
- *5 The DIN rail is not included. It must be ordered separately.
- *6 Select "Nil" for anything other than DeviceNet®, CC-Link, or parallel input.
 - Select "Nil," "S," or "T" for DeviceNet® or CC-Link.
 - Select "Nil," "1," "3," or "5" for parallel input.

⚠ Caution

[CE/UKCA-compliant products]

EMC compliance was tested by combining the electric actuator LEY series and the controller JXC series. The EMC depends on the configuration of the customer's control panel and the relationship with other electrical equipment and wiring. Therefore, compliance with the EMC directive cannot be certified for SMC components incorporated into the customer's equipment under actual operating conditions. As a result, it is necessary for the customer to verify compliance with the EMC directive for the machinery and equipment as a whole.

[Precautions relating to differences in controller versions]

When the JXC series is to be used in combination with the battery-less absolute encoder, use a controller that is version V3.4 or S3.4 or higher. For details, refer to pages 1077 and 1078.

The actuator and controller are sold as a package.

Confirm that the combination of the controller and actuator is correct.

<Check the following before use.>

- *1 Check the actuator label for the model number. This number should match that of the controller.

LEY25DEB-100

*1



* Refer to the Operation Manual for using the products. Please download it via our website:
<https://www.smcworld.com>

Type	Step data input type	EtherCAT direct input type	EtherCAT direct input type with STO sub-function	EtherNet/IP™ direct input type	EtherNet/IP™ direct input type with STO sub-function	PROFINET direct input type	PROFINET direct input type with STO sub-function	DeviceNet® direct input type	IO-Link direct input type	IO-Link direct input type with STO sub-function	CC-Link direct input type
Series	JXC51 JXC61	JXCE1	JXCEF	JXC91	JXC9F	JXCP1	JXCPF	JXCD1	JXCL1	JXCLF	JXCM1
Features	Parallel I/O	EtherCAT direct input	EtherCAT direct input with STO sub-function	EtherNet/IP™ direct input	EtherNet/IP™ direct input with STO sub-function	PROFINET direct input	PROFINET direct input with STO sub-function	DeviceNet® direct input	IO-Link direct input	IO-Link direct input with STO sub-function	CC-Link direct input
Compatible motor	Battery-less absolute (Step motor 24 VDC)										
Max. number of step data	64 points										
Power supply voltage	24 VDC										
Reference page	1017					1063					

LEY-X8 Series

Battery-less Absolute (Step Motor 24 VDC)

Dust-tight/Water-jet-proof (IP65 Equivalent/IP67 Equivalent)

Specifications

Step Motor (Servo/24 VDC)

Model		LEY25□E-X8			LEY32□E-X8			LEY40□E-X8				
Work load [kg]*1	Horizontal	(3000 [mm/s ²])	20	40	60	30	45	60	50	60	80	
	Vertical	(2000 [mm/s ²])	30	55	70	40	60	80	60	70	90	
		(3000 [mm/s ²])	7	15	29	10	21	42	12	26	52	
Pushing force [N]*2 *3 *4			63 to 122	126 to 238	232 to 452	80 to 189	156 to 370	296 to 707	132 to 283	266 to 553	562 to 1058	
Speed [mm/s]*4			18 to 400	9 to 200	5 to 100	24 to 400	12 to 200	6 to 100	24 to 400	12 to 230	6 to 110	
Max. acceleration/deceleration [mm/s ²]			3000									
Pushing speed [mm/s]*5			35 or less			30 or less			30 or less			
Positioning repeatability [mm]			±0.02									
Lost motion [mm]*6			0.1 or less									
Screw lead [mm]			12	6	3	16	8	4	16	8	4	
Impact/Vibration resistance [m/s ²]*7			50/20									
Actuation type			Ball screw (LEY□D)									
Guide type			Sliding bushing (Piston rod)									
Enclosure*8			IP65 equivalent/IP67 equivalent*12									
Operating temperature range [°C]			5 to 40									
Operating humidity range [%RH]			90 or less (No condensation)									
Electric specifications	Motor size			□42			□56.4			□56.4		
	Motor type			Battery-less absolute (Step motor 24 VDC)								
	Encoder			Battery-less absolute								
	Power supply voltage [V]			24 VDC ±10%								
	Power [W]*9 *11			Max. power 48			Max. power 104			Max. power 106		
Lock unit specifications	Type*10			Non-magnetizing lock								
	Holding force [N]			78	157	294	108	216	421	127	265	519
	Power [W]*11			5			5			5		
	Rated voltage [V]			24 VDC ±10%								

*1 Horizontal: The maximum value of the work load. An external guide is necessary to support the load. (Friction coefficient of guide: 0.1 or less) The actual work load and transfer speed change according to the condition of the external guide. Also, speed changes according to the work load. Check the "Model Selection" on page 883.

Vertical : Speed changes according to the work load. Check the "Model Selection" on page 883.

The values shown in () are the acceleration/deceleration. Set these values to be 3000 [mm/s²] or less.

*2 Pushing force accuracy is ±20% (F.S.).

*3 The pushing force values for LEY25□E are 30% to 50%, for LEY32□E are 30% to 70%, and for LEY40□E are 35% to 65%.

The pushing force values change according to the duty ratio and pushing speed. Check the "Model Selection" on page 884.

*4 The speed and force may change depending on the cable length, load, and mounting conditions. Furthermore, if the cable length exceeds 5 m, then it will decrease by up to 10% for each 5 m. (At 15 m: Reduced by up to 20%)

*5 The allowable speed for pushing operations. When push conveying a workpiece, operate at the vertical work load or less.

*6 A reference value for correcting errors in reciprocal operation

*7 Impact resistance : No malfunction occurred when the actuator was tested with a drop tester in both an axial direction and a perpendicular direction to the lead screw. (The test was performed with the actuator in the initial state.)

Vibration resistance: No malfunction occurred in a test ranging between 45 to 2000 Hz. The test was performed in both an axial direction and a perpendicular direction to the lead screw. (The test was performed with the actuator in the initial state.)

*8 Cannot be used in an environment where oil such as cutting oil splashes or it is constantly exposed to water

Take appropriate protective measures. For details on enclosure, refer to the "Enclosure" on page 881.

*9 Indicates the max. power during operation (including the controller)

This value can be used for the selection of the power supply.

*10 With lock only

*11 For an actuator with lock, add the power for the lock.

*12 Excludes the controller body and the connector part on the controller side

Weight

Weight: In-line Motor Type

LEY25D										
Stroke	30	50	100	150	200	250	300	350	400	
Product weight [kg]	1.48	1.55	1.72	1.97	2.15	2.32	2.50	2.67	2.85	

LEY32D												
Stroke	30	50	100	150	200	250	300	350	400	450	500	
Product weight [kg]	2.58	2.69	2.98	3.36	3.65	3.94	4.22	4.51	4.80	5.08	5.37	

LEY40D												
Stroke	30	50	100	150	200	250	300	350	400	450	500	
Product weight [kg]	2.93	3.04	3.33	3.71	4.00	4.29	4.57	4.86	5.15	5.43	5.72	

Additional Weight

[kg]

Size		25	32	40
Lock		0.35	0.65	0.65
Rod end male thread	Male thread	0.03	0.03	0.03
	Nut	0.02	0.02	0.02
Rod flange (including mounting bolt)		0.17	0.20	0.20

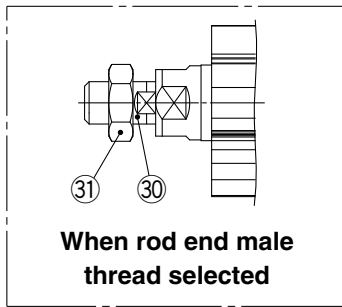
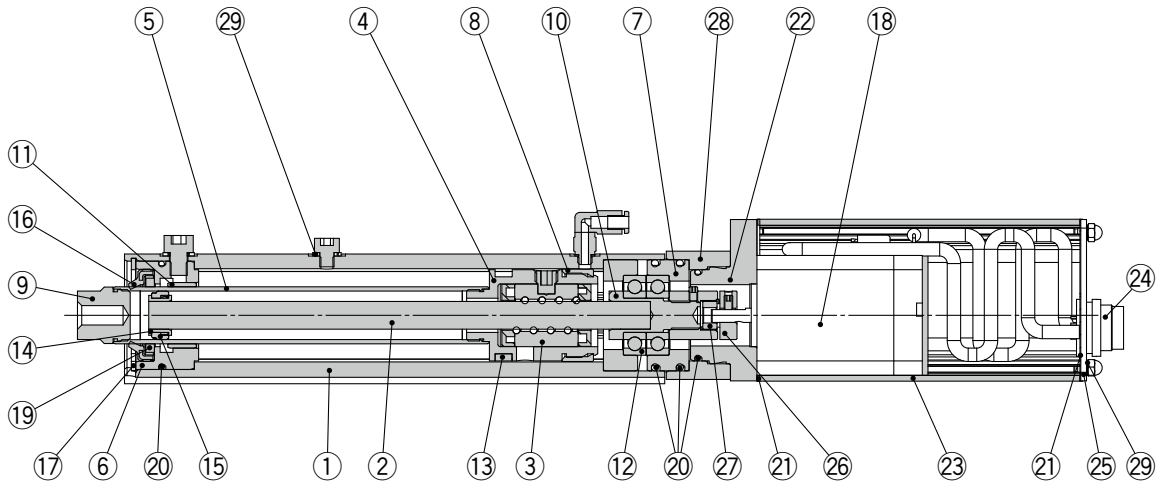
LEY-X8 Series

Battery-less Absolute (Step Motor 24 VDC)

Dust-tight/Water-jet-proof (IP65 Equivalent/IP67 Equivalent)

Construction

In-line motor type: LEY²⁵_{32D}
40



Component Parts

No.	Description	Material	Note
1	Body	Aluminum alloy	Anodized
2	Ball screw shaft	Alloy steel	
3	Ball screw nut	Synthetic resin/Alloy steel	
4	Piston	Aluminum alloy	
5	Piston rod	Stainless steel	Hard chrome plating
6	Rod cover	Aluminum alloy	Anodized
7	Bearing holder	Aluminum alloy	
8	Rotation stopper	Resin	
9	Socket	Stainless steel	
10	Connected shaft	Free cutting carbon steel	Nickel plating
11	Bushing	Bearing alloy	
12	Bearing	—	
13	Magnet	—	
14	Wear ring holder	Stainless steel	Stroke 101 mm or more
15	Wear ring	Resin	Stroke 101 mm or more
16	Greater water resistant scraper	Stainless steel/NBR	

No.	Description	Material	Note
17	Retaining ring	Stainless steel	
18	Motor	—	
19	Lube-retainer	Felt	
20	O-ring	NBR	
21	Gasket	Chloroprene	
22	Motor adapter	Aluminum alloy	LEY25 only
23	Motor cover	Aluminum alloy	Anodized
24	Metal connector	Zinc die-casted	Chrome plating
25	End cover	Aluminum alloy	Anodized
26	Hub	Aluminum alloy	
27	Spider	NBR	
28	Motor block	Aluminum alloy	Anodized
29	Seal washer	Stainless steel/NBR	
30	Socket (Male thread)	Stainless steel	
31	Nut	Stainless steel	

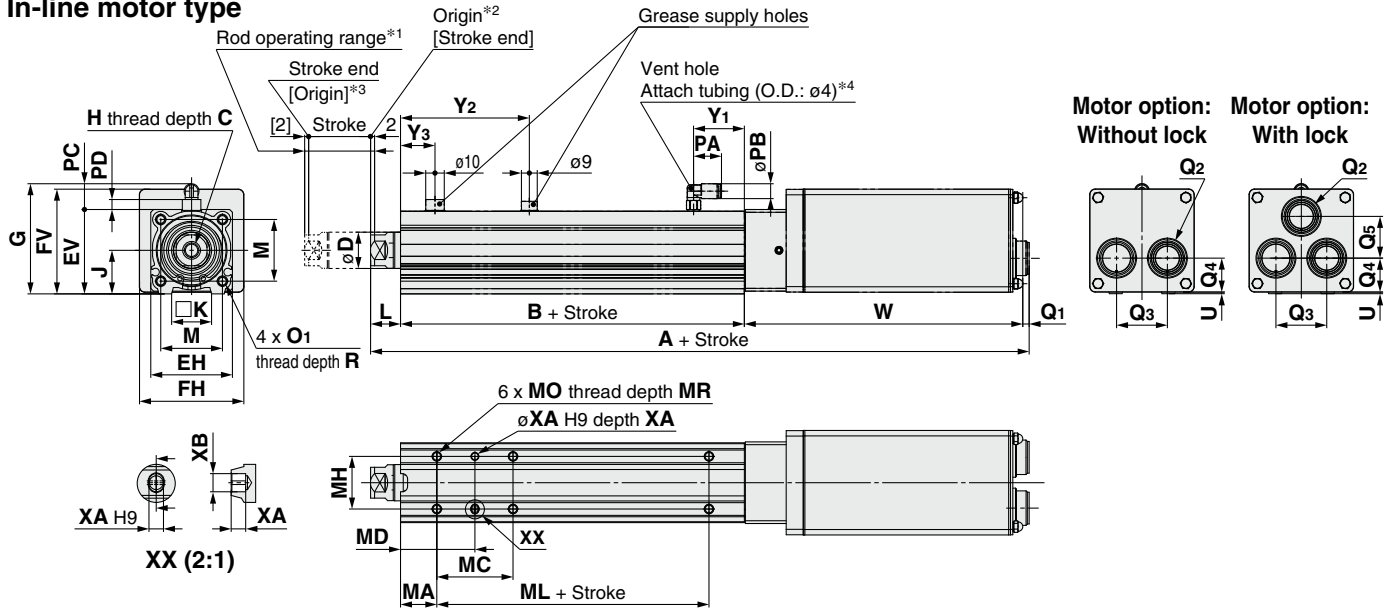
Replacement Parts/Grease Pack

Applied portion	Order no.
Piston rod	GR-S-010 (10 g) GR-S-020 (20 g)

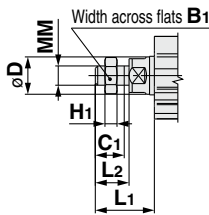
* Apply grease on the piston rod periodically.
Grease should be applied at 1 million cycles or 200 km, whichever comes first.

Dimensions

In-line motor type



Rod end male thread: LEY32D□-□□M
25
40



Size	B ₁	C ₁	D	H ₁	L ₁	L ₂	MM
25	22	20.5	20	8	38	23.5	M14 x 1.5
32/40	22	20.5	25	8	42	23.5	M14 x 1.5

* The L₁ measurement is when the unit is in the original position. At this position, 2 mm at the end.

Size	Stroke range [mm]	A		B	C	D	EH	EV	FH	FV	G	H	J	K	L	M	O ₁	R
		Without lock	With lock															
25	30 to 100	262.5	312.5	89.5	13	20	44	45.5	57.6	57.7	61.4	M8 x 1.25	24	17	14.5	34	M5 x 0.8	8
	105 to 400	287.5	337.5															
32	30 to 100	273	323	96	13	25	51	56.5	69.6	79.6	72.4	M8 x 1.25	31	22	18.5	40	M6 x 1.0	10
	105 to 500	303	353															
40	30 to 100	295	355	96	13	25	51	56.5	69.6	79.6	72.4	M8 x 1.25	31	22	18.5	40	M6 x 1.0	10
	105 to 500	325	375															

Size	Stroke range [mm]	PA	PB	PC	PD	Q ₁	Q ₂		Q ₃	Q ₄	Q ₅		U	W		Y ₁	Y ₂	Y ₃
							Without lock	With lock			Without lock	With lock		Without lock	With lock			
25	30 to 100	15.4	8.2	15.9	6.5	3.5	2 x ø22	3 x ø22	28	18.7	—	23	0.9	155	205	28	71	19
	105 to 400																	
32	30 to 100	15.4	8.2	15.9	7.1	3.5	2 x ø22	3 x ø22	36	28	—	32	1	155	205	30	75.5	16
	105 to 500																	
40	30 to 100	15.4	8.2	15.9	7.1	3.5	2 x ø22	3 x ø22	36	28	—	32	1	177	227	30	75.5	16
	105 to 500																	

Body Bottom Tapped

Size	Stroke range [mm]	MA	MC	MD	MH	ML	MO	MR	XA	XB
25	30 to 39	20	24	32	29	50	M5 x 0.8	6.5	4	5
	40 to 100		42	41		75				
	101 to 124		59	49.5						
	125 to 200		76	58						
	201 to 400		76	58						
32/40	30 to 39	25	22	36	30	50	M6 x 1	8.5	5	6
	40 to 100		36	43		80				
	101 to 124		53	51.5						
	125 to 200		70	60						
	201 to 500		70	60						

- *1 This is the range within which the rod can move when it returns to origin. Make sure that workpieces mounted on the rod do not interfere with other workpieces or the facilities around the rod.
- *2 Position after returning to origin
- *3 [] for when the direction of return to origin has changed
- *4 The vent hole is the port for releasing to atmosphere. Do not apply pressure to this hole. Attach tubing to the vent hole and place the end of the tubing so it is not exposed to dust or water.
- * The direction of rod end width across flats (□K) differs depending on the products.

For the mounting bracket dimensions, refer to the **Web Catalog**.

LEY-X8 Series

Battery-less Absolute (Step Motor 24 VDC)

Dust-tight/Water-jet-proof (IP65 Equivalent/IP67 Equivalent)

Option: Actuator Cable

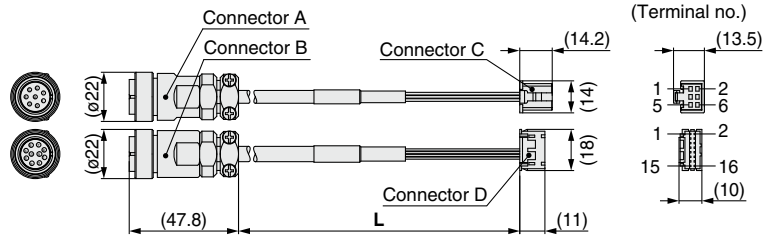
[Metal connector robotic cable for battery-less absolute (Step motor 24 VDC)]

LE-CE-1-X4

Cable length (L) [m]

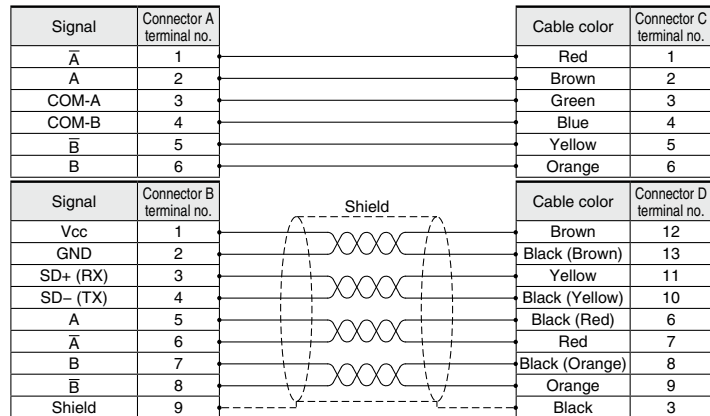
1	1.5
3	3
5	5
8	8*1
A	10*1
B	15*1
C	20*1

*1 Produced upon receipt of order



Weight

Product no.	Weight [g]	Note
LE-CE-1-X4	270	Robotic cable
LE-CE-3-X4	440	
LE-CE-5-X4	650	
LE-CE-8-X4	980	
LE-CE-A-X4	1200	
LE-CE-B-X4	1760	
LE-CE-C-X4	2290	



[Metal connector robotic cable with lock for battery-less absolute (Step motor 24 VDC)]

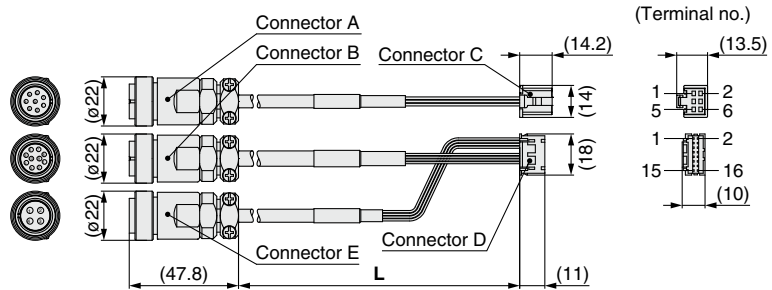
LE-CE-1-B-X4

Cable length (L) [m]

1	1.5
3	3
5	5
8	8*2
A	10*2
B	15*2
C	20*2

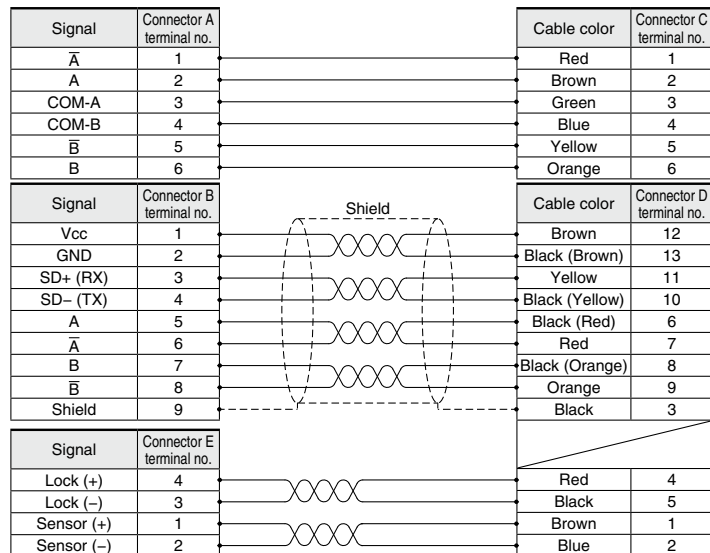
*2 Produced upon receipt of order

With lock and sensor



Weight

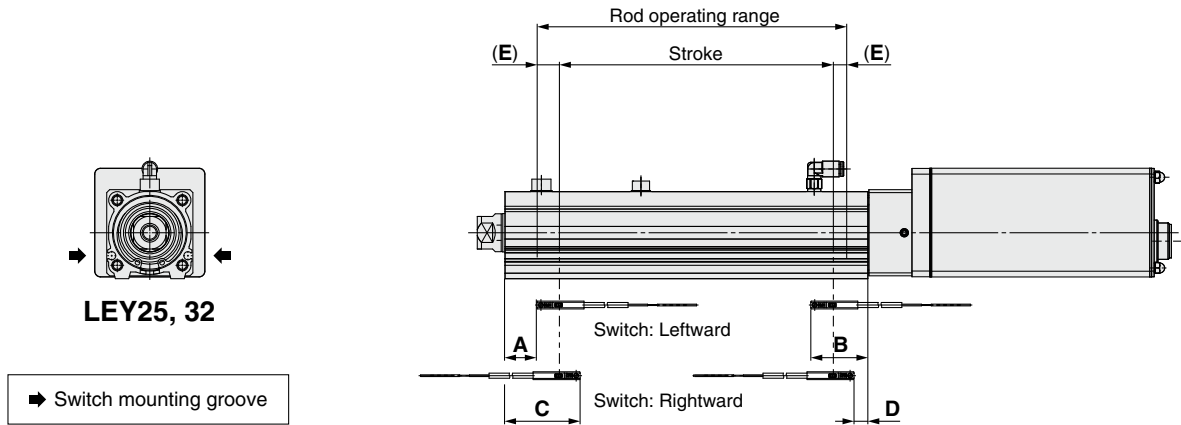
Product no.	Weight [g]	Note
LE-CE-1-B-X4	320	Robotic cable
LE-CE-3-B-X4	490	
LE-CE-5-B-X4	700	
LE-CE-8-B-X4	1030	
LE-CE-A-B-X4	1250	
LE-CE-B-B-X4	1810	
LE-CE-C-B-X4	2340	



LEY-X8 Series Auto Switch Mounting

Auto Switch Proper Mounting Position

Applicable auto switch: D-M9□A(V)

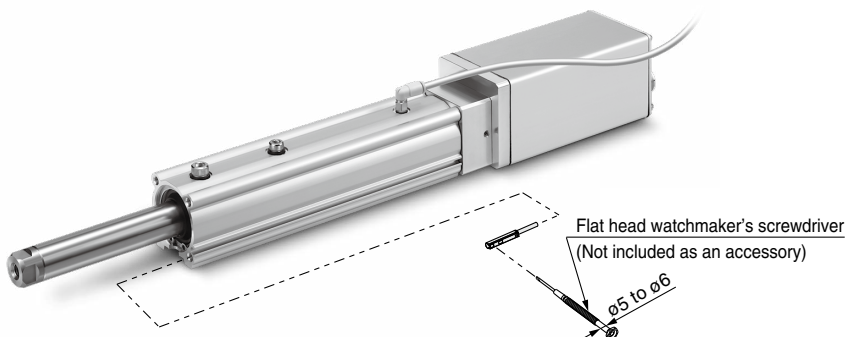


Size	Stroke range	Auto switch position				Return to origin distance	Operating range
		Leftward mounting		Rightward mounting			
		A	B	C	D		
25	15 to 100	27	62.5	39	50.5	(2)	4.2
	105 to 400	52		64			
32/40	20 to 100	30.5	85.5	42.5	53.5	(2)	4.9
	105 to 500	90.5		102.5			

* The values in the table above are to be used as a reference when mounting auto switches for stroke end detection. Adjust the auto switch after confirming the operating conditions in the actual setting.

* Since the operating range is provided as a guideline including hysteresis, it cannot be guaranteed (assuming approx. $\pm 30\%$ dispersion). It may change substantially depending on the ambient environment.

Auto Switch Mounting

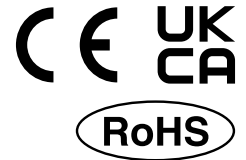


Tightening Torque for Auto Switch Mounting Screw [N·m]

Auto switch model	Tightening torque
D-M9□A(V)	0.05 to 0.10

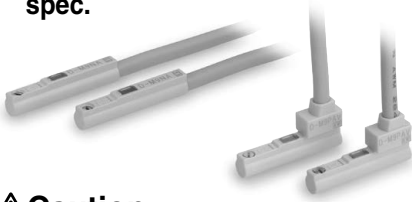
* When tightening the auto switch mounting screw (included with the auto switch), use a watchmaker's screwdriver with a handle diameter of 5 to 6 mm.

Water Resistant 2-Color Indicator Solid State Auto Switch: Direct Mounting Type D-M9NA(V)/D-M9PA(V)/D-M9BA(V)



Grommet

- Water (coolant) resistant type
- 2-wire load current is reduced (2.5 to 40 mA).
- The proper operating range can be determined by the color of the light. (Red → Green ← Red)
- Using flexible cable as standard spec.



Caution

Precautions

Fix the auto switch with the existing screw installed on the auto switch body. The auto switch may be damaged if a screw other than the one supplied is used. Please contact SMC if using coolant liquid other than water based solution.

Weight

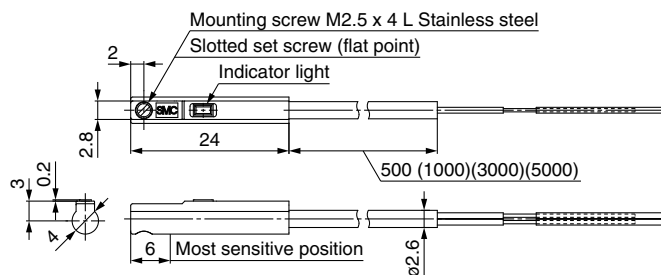
[g]

Auto switch model	D-M9NA(V)	D-M9PA(V)	D-M9BA(V)
Lead wire length			
0.5 m (Nil)	8	7	
1 m (M)	14	13	
3 m (L)	41	38	
5 m (Z)	68	63	

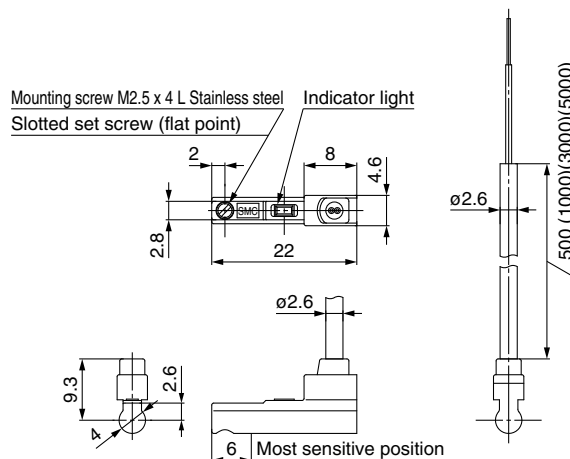
Dimensions

[mm]

D-M9□A



D-M9□AV



Auto Switch Specifications

PLC: Programmable Logic Controller

D-M9□A, D-M9□AV (With indicator light)						
Auto switch model	D-M9NA	D-M9NAV	D-M9PA	D-M9PAV	D-M9BA	D-M9BAV
Electrical entry direction	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular
Wiring type	3-wire				2-wire	
Output type	NPN		PNP		—	
Applicable load	IC circuit, Relay, PLC				24 VDC relay, PLC	
Power supply voltage	5, 12, 24 VDC (4.5 to 28 V)				—	
Current consumption	10 mA or less				—	
Load voltage	28 VDC or less		—		24 VDC (10 to 28 VDC)	
Load current	40 mA or less				2.5 to 40 mA	
Internal voltage drop	0.8 V or less at 10 mA (2 V or less at 40 mA)				4 V or less	
Leakage current	100 µA or less at 24 VDC				0.8 mA or less	
Indicator light	Operating range Red LED illuminates. Proper operating range Green LED illuminates.					
Standard	CE/UKCA marking					

Oilproof Flexible Heavy-duty Lead Wire Specifications

Auto switch model		D-M9NA□	D-M9NAV□	D-M9PA□	D-M9PAV□	D-M9BA□	D-M9BAV□
Sheath	Outside diameter [mm]	ø2.6					
Insulator	Number of cores	3 cores (Brown/Blue/Black)				2 cores (Brown/Blue)	
	Outside diameter [mm]	ø0.88					
Conductor	Effective area [mm ²]	0.15					
	Strand diameter [mm]	ø0.05					
Min. bending radius [mm]		17					

* Refer to page 1363 for solid state auto switch common specifications.

* Refer to page 1363 for lead wire lengths.