# Magnet rodless cylinder

### Rodless

### ø6/ø10/ø16/ø20/ø25/ø32



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The cylinder switches T2YH, T2YV, T3YH, and T3YV are scheduled for end of production at the end of December 2023.

	SCP*3
	CMK2
	CMA2
	SCM
	SCG
	SCA2
	SCS2
	CKV2
	CAV2/ COVP/N2
	SSD2
	SSG
	SSD
	CAT
	MDC2
	MVC
	SMG
	MSD/ MSDG
	FC*
	STK
	SRL3
	SRG3
	SRM3
	SRT3
	MRL2
	MRG2
	SM-25
	ShkAbs
	FJ
	FK
	Spd Contr
	Ending
17:	31

**CKD** 

# Twice the durability

# Magnet rodless cylinder MRL2 Series

The newly adopted lubrication mechanism has significantly improved the service life and operational stability of the new magnet rodless cylinder.

ø25 and ø32 are also available.

# Dramatically improved performance with the lube keeping structure!

A fiber assemblage (lube keeping structure) soaked with grease is mounted on the sliding portions of the piston and slider. This enables stable lubrication to prevent wear long term. A significant improvement of service life (more than 2-fold compared to the previous models) and stabilization of operation have been realized.

### Features of lube keeping structure

## Lubrication supplying/absorbing function

Due to the effects of the capillary phenomenon, the soaked grease can be evenly applied to the sliding surface in a stable manner while absorbing any excess grease.

Note) Use the scraper to wash the tube surface directly with cleaning liquid.

Dust wiper function As well as dust, the powder from packing wear, etc., is captured within the fiber assemblage to reduce dirt from accumulating on the sliding portions. (The conventional powerful scraper is also available.)

## Environmentally friendly

Set with optional rubber-air cushion. Suppresses impact sound at the stroke end, and thus contributes to a better factory environment.

### Thin slider -

Flat design with a thin slider

### Direct mount (Top or bottom)

Simplified guide (2-piston)

MRL2-WSeries

Various choices of T switches

Single-surface common piping is available (option)

 Lube keeping structure sectional area (180x)

SCP\*3

CMK2

CMA2

CKD

Spd

Contr

# SUPER RODLESS CYLINDER MRL2 Series

### • Rubber-air cushion mechanism



1

piston operates and the rubber-air cushion and end cap make contact. Air in the airtight area is further compressed, absorbing energy as the piston operates. At the end of the stroke, energy generated by compression distortion of the air cushion is also added.

An airtight space is created in the \_\_\_\_\_ area when the

# ø25 and ø32 bore sizes are now available.



SCP\*3 CMK2 CMA2 SCM SCG SCA2 SCS2 CKV2 CAV2/ COVP/N2 SSD2 SSG SSD CAT MDC2 MVC SMG MSD/ MSDG FC\* STK SRL3 SRG3 SRM3 SRT3 MRL2 MRG2 SM-25 ShkAbs FJ FK Spd Contr

# MRL2/MRL2-G/MRL2-W Series Points regarding selection guide

	Points regarding selection guide	Recommended model No.	
Basic	<ul> <li>When combining use of a guide system apart from the cylinder.</li> <li>When there are space limitations.</li> <li>* Use together with a guide.</li> </ul>	MRL2 ø6, ø10, ø16, ø20, ø25, ø32	
Oʻrom lifi o dava i da	<ul> <li>When securing the course of the slider.</li> <li>When using for general transportation.</li> <li>When the stacked load is large.</li> <li>When stroke adjustment is required.</li> <li>When absorbing the impact at the end of the stroke with a shock absorber.</li> </ul>	MRL2-G (Simplified guide 1-piston) ø6, ø10, ø16, ø20, ø25, ø32	
Simplified guide	<ul> <li>When securing the course of the slider.</li> <li>When using for general transportation.</li> <li>When the stacked load is large and a double thrust is required.</li> <li>When stroke adjustment is required.</li> <li>When absorbing the impact at the end of the stroke with a shock absorber.</li> </ul>	MRL2-W (Simplified guide 2-piston) ø6, ø10, ø16, ø20, ø25, ø32	

Ending

Points regarding selection guide

			Page
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		Safety precautions	1760
		Technical data	
		MRL2-G / MRL2-W slider runout amount Rubber-air cushion data	1759
	Features		Page
-	Lube keeping structure is used to realize a	Specifications	1740
	long service life. By selecting the rubber-air cushion, it is	How to order	1742
	possible to reduce collision noise level and collision acceleration at the end of the stroke.	Internal structure and parts list	1744
.	Internal structure and parts list Dimensions Since to reduce collision noise level and Internal structure and parts list Dimensions Switch mounting position dime	Dimensions	1746
		Switch mounting position dimensions	1754
		Selection guide	1755
	With the twin tube of the MRL2 series, it is no	Specifications	1740
	longer necessary to separately install a guide system.	How to order	1742
-	Space saving with a thin design and a low slide table height.	Internal structure and parts list	1748
•	The impact at the end of the stroke will be absorbed with the type equipped with a shock	Dimensions	1752
	absorber. Single surface piping is possible with the common	Switch mounting position dimensions	1754
	piping with switch.	Selection guide	1755
.	With the MRL2 Series twin tube, it is no longer	Specifications	1740
	With the twin piston, the generated thrust is twice	How to order	1742
	Space saving with a thin design and a low slide	Internal structure and parts list	1750
	The impact at the end of the stroke will be absorbed	Dimensions	1752
.	Single surface piping is possible with the common	Switch mounting position dimensions	1754
	piping with switch.	Selection guide	1755

MRG2

SM-25

ShkAbs

FJ

FK

Spd Contr

# Series variation

SCP\*3

CMK2

# Magnet rodless cylinder MRL2 Series

CMA2					Cus	hion			
SCM							-		
SCG							Star	ndard	
SCA2	Series	Variation	Model No.	Bore size	c	shion	str (n	оке nm)	
SCS2				(mm)	ushio	ir cus			
CKV2					ber c	ber-a			
CAV2/ COVP/N2					Rub	Rub	50	100	
SSD2				ø6					
SSG			MRI 2	ø10					
SSD	Basic	Fine speed	MRI 2-I	ø16					
CAT	MRL2 series	with switch		ø20					
MDC2		with Switch		ø25					
MVC				ø32					
SMG				ø6					
MSD/	Simplified quide			ø10					
MSDG	1-niston	Fine speed	MRL2-G	ø16					
FC*	MPL2 C Spring		MRL2-GL	ø20					
STK	MIRLZ-G Selles	with switch	MRL2-GF	ø25					
SRL3				ø32					
SRG3				ø6					
SRM3	Circolified avide			ø10					
SRT3		Fine speed	MRL2-W	ø16					
MRL2	2-piston		MRL2-WL	ø20		O			
MRG2	MRL2-W Series	with switch	MRL2-WF	ø25			•••••		
SM-25				ø32			•••••		
ShkAbs			1	1			1		

ShkAbs FJ FK Spd Contr

Series variation

SCP\*3

Standard,      Coption,      Not available													CMK2						
										(m	(m	(m		Opt	tion			CMA2	
										L)	للا (لا	per m		ţ	er	lee		SCM	
				Stan	dard s	troke						)		ng wi	osorb	TFE f		SCG	
					(mm)						*	Θ	aper	idid r	ock at	and P tions		SCA2	
										oke	oke	strok	th scr	itch	th sho	pper a	ge	SCS2	
			r		· · · · ·	r		r		n. str	ax. str	Istom	Š	s Co	Wi	sp. Co	Ъ	CKV2	
	150	200	250	300	350	400	500	600	700	Ξ	Ma	С	S	R	С	(P6)		CAV2/ COVP/N2	
	•										300		0			•		SSD2	
	•	•									500		0			•		SSG	
	•									1	1000	1	1	0			•	1740	SSD
											1500				0				
		•						•			1500		0					MDC2	
		•	•	•	•	•	•	•	•		1500		0			•		MVC	
											300							SMG	
											500							MSD/ MSDG	
										1	1500	1					1740	FC*	
											1500							STK	
											1500							SRL3	
								-			300				0			SRG3	
																		SRM3	
						•	•				1000			0	0			SRT3	
						•		•		1	1500	1			0		1740	MRL2	
	•••••	•						•			1500			0	0	•		MRG2	
	•••••	•	•	•	•	•	•	•	•				0	0	0	•		SM-25	
	*1 · •	The r	nax.s	stroke	s of n	nodel	s equ	ipped	with a	a switc	h are ø	6 <sup>.</sup> 200	mm.ø	10.300	) mm.			ShkAbs	
	••	ø16:	500 n	nm, ø	20 to	ø32:	700 n	nm nm	o oro	a 61110		a10. 50	00 mm	10.000	, , ,			FJ	
<ul> <li>The max. strokes of fine speed models are ø6: 300 mm, ø10: 500 mm,</li> <li>ø16 to ø25: 800 mm, ø32: 700 mm</li> </ul>													FK						
		The r ø10:	nax. s 300 n	stroke nm, ø	of co 16: 50	ommo 00 mn	n pipi n, ø2(	ng ma ) to ø	odels 32: 7(	equipp )0 mm	ed with	a swit	ch are					Spd	
	*2:•	Altho these	ugh c spec	oppei cificati	r and ons a	PTFE	free t avai	speci <sup>:</sup> lable f	ficatio for typ	ons are bes witl	availat n shock	ole with absor	n the st ber an	andard d fine s	mode peed.	ls,		Contr	
																		Linuing	

SCP\*3

### Variation and option combination selection table

- : Standard
- O: Option
- ○: Available (made-to-order product)
- $\triangle$ : Available depending on conditions (Contact CKD.)
- X: Not available

-			Category		Variation I				Port thread			ort thread Cushion			Option			
2	Category			Double acting basic	Twin 1-piston	Twin 2-piston	With cylinder switch	Fine speed	NPT (ø25/ø32)	G (ø25/ø32)		Rubber-air cushioned		With shock absorber	With scraper	Common piping with switch	Clean-room specifications (low dust generation)	
			Code	None	G	W	L	F	Ν	G		С		С	S	R	P72	
		Double acting basic	Blank	$\geq$	$\square$	$\geq$	$\geq$	$\sum$	$\circ$	0		$\bigcirc$		Х	$\bigcirc$	×	$\bigcirc$	
-	on	Twin 1 piston	G		$\geq$	$\times$	$\odot$	$\odot$	$\bigcirc$	0		$\bigcirc$		$\bigcirc$	$\bigcirc$	0	$\bigcirc$	
	riati	Twin 2 piston	W			$\square$	$\odot$	$\odot$	$\bigcirc$	$\bigcirc$		$\bigcirc$		$\bigcirc$	$\bigcirc$	0	$\bigcirc$	
	Va	With cylinder switch	L				$\square$	$\odot$	$\bigcirc$	$\bigcirc$		$\bigcirc$		$\bigcirc$	$\bigcirc$	*3	$\bigcirc$	
		Fine speed	F					$\square$	$\circ$	0		$\bigcirc$		*1	×	X	$\times$	
	ead	NPT(ø25/ø32)	N						$\square$	$\times$		0		0	0	0	0	
	t thr	G (ø25/ø32)	G							$\square$		0		0	0	0	0	
	Por										$\overline{\}$							
;	hion	Rubber-air cushioned	С									$\overline{\ }$		$\bigcirc$	$\bigcirc$	0	$\bigcirc$	
	Cus												$\searrow$					
		With shock absorber	С											$\overline{\ }$	$\bigcirc$	0	×	
	L	With scraper	S												$\overline{\ }$	0	*4	
2	otio	Common piping with switch	R													$\overline{\}$	$\bigcirc$	
	ō	Clean-room specifications (low dust generation)	P72														$\setminus$	
3																		
,	sory	Cylinder switch	Listed separately	0	$\bigcirc$	0	0	0	0	0		$\bigcirc$		$\bigcirc$	$\bigcirc$	0	$\bigcirc$	
	Acces																	

\*1: Fine speed performance upon entry into the shock absorber cannot be guaranteed.

\*2: For P72 clean room specifications, refer to "Components for Clean Room Specifications" (catalog No. CB-033SA).

\*3: When selecting a common piping with an "R" switch, be sure to combine the unit with "L" with switch. \*4: As the clean-room specifications P72 are all equipped with a scraper, the code "S" is not required.

**CKD** 

### Variation and option combination selection table





### Specifications

	opeenneerne													
SCG	Item			MRL	2(L,F) , MRL2-G	G(L,F) , MRL2-W	/(L,F)							
	Bore size	mm	ø6	ø10	ø16	ø20	ø25	ø32						
SCA2	Actuation				Double	e acting								
0000	Working fluid				Compre	essed air								
5652	Max. working pressure	MPa			0.7 (≈100	psi, 7 bar)								
CKV2	Min. working pressure	MPa	0.3 (≈44 psi	0.3 (≈44 psi, 3 bar) (*1) 0.2 (≈29 psi, 2 bar)										
GRVZ	Proof pressure	MPa		1.05 (≈150 psi, 10.5 bar)										
CAV2/	Ambient temperature	°C	-	-10 (14°F) to 60 (140°F) (fine speed: 5 (41°F) to 60 (140°F)) (no freezing)										
COVP/N2	Port size			N	15		Rc	1/8						
SSD2	Stroke tolerance	mm		+1.5 0 ( to	o 1000)	+2.0	to 1500)							
SSG	Working piston speed	mm/s			50 to 500 (fine s	speed: 1 to 200)								
	Cushion				Rubber	cushion								
SSD	Lubrication		Not required (use	turbine oil ISO V	G32 if necessary f	or lubrication); Ho	wever, not availab	le with fine speed						
	Magnet holding force (*2)	Ν	19	63	166	294	350	574						
CAT	Adjustable stroke range (single side)	(*3) mm	3	4	6	8.5	10	10						
	*1: The value for MRI 2-G-6-C (v	with show	ck absorber) is 0.4											

MDC2 \*2: The simplified guide 2-piston (W) will be a 2-fold value.

\*3: The stroke of MRL2 (basic) cannot be adjusted.

#### MSD/ Stroke

MVC

SMG

SRM3

SRT3

MSDG	SILOKE						
FC*	Bore size	Standard stroke (mm)	Max. stroke	Max. stroke	Max. stroke (mm) of	Max. stroke of	Min. stroke
OTI	ø6	50, 100, 150, 200	300	200	-	300	(1111)
STK	ø10	50, 100, 150, 200, 250, 300	500	300	300	500	
001.2	ø16	100, 150, 200, 250, 300, 400, 500	1000	500	500	800	1
SILLS	ø20	200, 250, 300, 350, 400, 500, 600, 700	1500	700	700	800	
SRG3	ø25	200, 250, 300, 350, 400, 500, 600, 700	1500	700	700	800	
51(65	ø32	200, 250, 300, 350, 400, 500, 600, 700	1500	700	700	700	

The custom stroke is available in 1 mm increments.

#### MRL2 Number of installed T-switches and min. stroke (mm)

MRG2	Switch quantity	1				2				3				4			
	Switch model No.	т*\/	т*⊔	<b>τ</b> *ν\/	т∗∨⊔	т*\/	т*⊔	т*V\/	т∗∨⊔	T*\/	т*ц	т*v\/	т∗∨⊔	т*\/	т*ப	т*v\/	т∗∨⊔
SM-25	Bore size (mm)		1 11		1 10				Г	IV	п		1 10	IV			ГТП
	ø6 or equiv.	5	5	5	5	20	50	40	70	40	85	71	115	60	120	101	160
ShkAbs	ø10 or equiv.	5	5	5	5	20	50	40	70	40	85	71	115	60	120	101	160
	ø16 or equiv.	5	5	5	5	20	50	40	70	40	85	71	115	60	120	101	160
FJ	ø20 or equiv.	5	5	5	5	20	50	40	70	40	85	71	115	60	120	101	160
FK	ø25 or equiv.	5	5	5	5	20	50	40	70	40	85	71	115	60	120	101	160
	ø32 or equiv.	5	5	5	5	20	50	40	70	40	85	71	115	60	120	101	160
Spd	*T1H has the same min. stroke as T*YH and T1V the same as T*YV.																

Contr

# MRL2/MRL2-<sup>G</sup><sub>W</sub> Series

### Specifications

SCP\*3

SSD2

SSG

## Switch specifications

1-color/2-color	LED

		2-wire prox	imity			3-wire p	roximity		CMK2				
Item	T1H/T1V	T2H/T2V	Τ2ΥΗ/Τ2ΥV	T2WH/T2WV	ТЗН/ТЗV	ТЗРН/ТЗРV	ТЗҮН/ТЗҮV	тзwн/тзwv					
Annlingting	For programmable controller,		Dedicated for		For programmable								
Applications	relay, compact solenoid valve	prog	grammable contr	oller	controller, relay								
Output method		-			NPN output	PNP output	NPN output	NPN output	SCIVI				
Power supply voltage		-	- 10 to 28 VDC										
Load voltage	85 to 265 VAC	10 to 3	0 VDC	24 VDC ±10%		30 VDC or less							
Load current	5 to 100 mA		5 to 20 mA (*3)		100 mA	or less	50 mA	or less					
Indiantar	LED	LED	Red/green	Red/green	LED	Yellow LED	Red/green	Red/green	SCA2				
Indicator	(Lit when ON)	(Lit when ON)	(Lit when ON)	(Lit when ON)	(Lit when ON)	(Lit when ON)	(Lit when ON)	(Lit when ON)					
	1 mA or less with 100 VAC,		4 4 1			404			SCS2				
Leakage current	2 mA or less with 200 VAC		T mA or less			10 μΑ	orless						
	1 m:33	1 m:18	1 m:33	1 m:18	1 m	1:18	1 m:33	1 m:18	CKV2				
Weight g	3 m:87 5 m:142	3 m:49 5 m:80	3 m:87 5 m:142	3 m:49 5 m:80	3 m 5 m	1:49 1:80	3 m:87 5 m:142	3 m:49 5 m:80	CAV2/				
*1. Refer to End	ting Page 1 for detailed	l switch specifi	cations and din	nensions					COVP/N2				

1: Refer to Ending Page 1 for detailed switch specifications and dimensions.

\*2: Switches other than the above models, such as switches with connectors, are also available. Refer to Ending Page 1. \*3: The max. load current is 20 mA at 25°C. The current is lower than 20 mA if the operating ambient temperature around the switch is higher than 25°C.

(5 to 10 mA at 60°C)

### Cylinder weight

Cylinder weig	ght					Unit (g)	0000
	No s	witch	With	switch	Common pipi	ng with switch	SSD
Model No.	Weight for 0 mm	Additional weight	Weight for 0 mm	Additional weight	Weight for 0 mm	Additional weight	000
	stroke	per S = 100mm	stroke	per S = 100mm	stroke	per S = 100mm	CAT
MRL2-6	73	13	103	39	-	-	0/11
MRL2-10	143	28	169	48	-	-	MDC2
MRL2-16	278	43	313	63	-	-	WID02
MRL2-20	542	85	587	105	-	-	MUC
MRL2-25	954	98	1017	128	-	-	IVI V C
MRL2-32	1230	195	1301	225	-	-	SMC
MRL2-G-6	193	28	223	54	-	-	SIVIG
MRL2-G-10	368	53	394	73	411	94	MSD/
MRL2-G-16	635	85	670	105	691	126	MSDG
MRL2-G-20	1197	155	1242	175	1269	196	
MRL2-G-25	1852	196	1915	226	1997	289	FC
MRL2-G-32	2297	390	2368	420	2455	483	071/
MRL2-W-6	203	28	233	54	-	-	SIK
MRL2-W-10	398	53	424	73	441	94	
MRL2-W-16	710	85	745	105	766	126	SRL3
MRL2-W-20	1367	155	1412	175	1439	196	
MRL2-W-25	2206	196	2269	226	2351	289	SRG3
MRL2-W-32	2859	390	2930	420	3017	483	
*1: The weight of the	switch is not included in t	he product weight of typ	pes with switch and con	nmon piping with switch			SRM3

\*1: The weight of the switch is not included in the product weight of types with switch and common piping with switch.

### Theoretical thrust table

MRL2.MRL2-G

MRL2,MRL2	MRL2,MRL2-G (Unit: N)													
Bore size	Operating		Working pressure MPa											
(mm)	direction	0.2	0.3	0.4	0.5	0.6	0.7							
ø6	Push/Pull	-	8.48	11.3	14.1	17.0	19.8							
ø10	Push/Pull	-	23.6	31.4	39.3	47.1	55.0							
ø16	Push/Pull	40.2	60.3	80.4	1.01x10 <sup>2</sup>	1.21x10 <sup>2</sup>	1.41x10 <sup>2</sup>							
ø20	Push/Pull	62.8	94.2	1.26x10 <sup>2</sup>	1.57x10 <sup>2</sup>	1.88x10 <sup>2</sup>	2.20x10 <sup>2</sup>							
ø25	Push/Pull	98.2	1.47x10 <sup>2</sup>	1.96x10 <sup>2</sup>	2.45x10 <sup>2</sup>	2.95x10 <sup>2</sup>	3.44x10 <sup>2</sup>							
ø32	Push/Pull	1.61x10 <sup>2</sup>	2.41x10 <sup>2</sup>	3.22x10 <sup>2</sup>	4.02x10 <sup>2</sup>	4.83x10 <sup>2</sup>	5.63x10 <sup>2</sup>							

	MRI	_2-W
-		

MRL2-W							(Unit: N)						
Bore size	Operating		Working pressure MPa										
(mm)	direction	0.2	0.3	0.4	0.5	0.6	0.7						
ø6	Push/Pull	-	17.0	22.6	28.3	33.9	39.6						
ø10	Push/Pull	-	47.1	62.8	78.5	94.2	1.10x10 <sup>2</sup>						
ø16	Push/Pull	80.4	1.21x10 <sup>2</sup>	1.61x10 <sup>2</sup>	2.01x10 <sup>2</sup>	2.41x10 <sup>2</sup>	2.81x10 <sup>2</sup>						
ø20	Push/Pull	1.26x10 <sup>2</sup>	1.88x10 <sup>2</sup>	2.51x10 <sup>2</sup>	3.14x10 <sup>2</sup>	3.77x10 <sup>2</sup>	4.40x10 <sup>2</sup>						
ø25	Push/Pull	1.96x10 <sup>2</sup>	2.95x10 <sup>2</sup>	3.93x10 <sup>2</sup>	4.91x10 <sup>2</sup>	5.89x10 <sup>2</sup>	6.87x10 <sup>2</sup>						
ø32	Push/Pull	3.22x10 <sup>2</sup>	4.83x10 <sup>2</sup>	6.43x10 <sup>2</sup>	8.04x10 <sup>2</sup>	9.65x10 <sup>2</sup>	1.13x10 <sup>3</sup>						

CKD

Ending

SRT3

MRL2

MRG2

SM-25

ShkAbs

FJ

FK Spd Contr

# MRL2/MRL2-<sup>G</sup><sub>W</sub> Series

| SCD*2   | How to order   |   
   
   
   |  | C   | ode  
   |   | I  | Descript  | ion   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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| 001 0   | No switch (without   | magnet for switch)  
   
   
   |  | A Mo  | del No.  
   |   |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
| CMK2  | MRL2-W -   | 6 C - (50)-   
   
   
   | C  | <u>ں</u>  | MRL2   
   | No switch   | _  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
|   | With switch (built-i   | magnet for switch)  
   
   
   | $\bigcirc$   | asi   | | | | | | | | | | | | | | | | | | | | | | | | |
   | Fine anod   |  |   |   |  |   |   
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| CMA2  |  |   
   
   
   |  |   | | | | | | | | | | | | | | | | | | | | | | | | |
   | Fine speed  | ith ou   | itab  |   |  |   |   
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
|   | MIRL2-WL   |   
   
   
   |  |   | MPL 2-C  
   | No switch   | 111 50   | MICH  |   |  |   | | | | | | | | | | | | | | | | | | | | |
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  |   |   |   |  |   |                  |   |  |
| SCM   |  |   
   
   
   |  | Simplified  | MPI 2-GI   
   | With switch   |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
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  |   |   |   |  |   |                  |   |  |
| 000   |  |   
   
   
   |  | guide   | MRI 2-GE   
   | Fine speed  |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
| SCG   |  |   
   
   
   |  | 1-piston  | MRL2-GLF   
   | Fine speed. w   | ith sv   | vitch   |   |  |   | | | | | | | | | | | | | | | | | | | | |
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  |   |   |   |  |   |                  |   |  |
| SCA2  |  |   
   
   
   |  | 0   | MRL2-W   
   | No switch   |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
| 0072  |  |   
   
   
   |  | Simplified  | MRL2-WL  
   | With switch   |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
| SCS2  |  |   
   
   
   |  | guide   | MRL2-WF  
   | Fine speed  |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
|   |  |   
   
   
   |  | 2-piston  | MRL2-WLF   
   | Fine speed, w   | ith sv   | vitch   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| CKV2  |  | Bore size   
   
   
   |  | B Bo  | re size (m   
   | m)  |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| CAV2/   |  |   
   
   
   |  |   | 6  
   | ø6  |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
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  |   |   |   |  |   |                  |   |  |
| COVP/N2   |  |   
   
   
   |  |   | 10   
   | Ø10<br>~16  |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| SSD2  |  |   
   
   
   |  |   | 20   
   | ø20   |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
|   |  |   
   
   
   |  |   | 25   
   | ø20<br>ø25  |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| SSG   |  |   
   
   
   |  |   | 32   
   | ø32   | -  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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|   |  |   
   
   
   |  | <b>B</b> Por  | t throad   
   |   |  |   | 1 1   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| SSD   |  | O Port thread   
   
   
   |  | B   | lank   
   | Rc thread   |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| ~   |  | *1  
   
   
   |  |   | N  
   | NPT thread (ø2  | 25 an  | d over) (r  | made-to-order r   | product)   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| CAI   |  | D Cushion   
   
   
   |  |   | G  
   | G thread (ø25   | and  | over) (m  | ade-to-order p  | roduct)  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MDC2  |  | *2  
   
   
   |  |   | shion  
   |   |  | , ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (   |   | ,  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| IVID 02   |  | Stro  
   
   
   | ke   | B   | lank   
   | Rubber cushic   | n  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MVC   |  | for model No. coloction   
   
   
   |  |   | С  
   | Rubber-air cus  | shion  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
|   | A Precautions  |   
   
   
   |  | B Str   | oke (mm)   
   |   |  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
| SMG   | *1 : When the cushion  | is a rubber cushion (blank), the  
   
   
   |  | Bo  | e size   
   | Stro  | ke *4  |   | Custom st   | roke   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
| MSD/  | NPT thread: NN G   | thread: GN  
   
   
   |  |   | ø6   
   | 1 to  | 300  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
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  |   |   |   |  |   |                  |   |  |
| 1000/   | *2 · In the case of MR   |   
   
   
   |  |   | 10   
   |   | _  |   |   |  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG  | rubber-air cushior   | L2-G and W with the "C"   
   
   
   |  | ,   | ø10  
   | 1 to  | 500  |   | In 1 m  | m  |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG  | rubber-air cushior<br>end plate by appr  | the stopper protrudes from the<br>pximately 1 mm at shipment.   
   
   
   |  | ې<br>د  | ø10<br>ø16   
   | 1 to<br>1 to  | 500<br>1000  |   | In 1 m  | m<br>nts   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*   | rubber-air cushior<br>end plate by approvide the stopper is more   | L2-G and W with the "C"<br>i, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>red to adjust the stroke  
   
   
   |  | ø20   | ø10<br>ø16<br>to ø32   
   | 1 to<br>1 to<br>1 to  | 500<br>1000<br>1500  |   | In 1 m  | m<br>nts   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*   | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 :Refer to the follow   | L2-G and W with the "C"<br>b, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>red to adjust the stroke.<br>ring table for max. stroke with  
   
   
   |  | ø20   | ø10<br>ø16<br>to ø32<br>itch mode  
   | 1 to<br>1 to<br>1 to<br>1 to  | 500<br>1000<br>1500  |   | In 1 m  | m<br>nts   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK  | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.   | L2-G and W with the "C"<br>a, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>yed to adjust the stroke.<br>ring table for max. stroke with<br>740 for min_stroke with   
   
   
   | Switch model No.     * indicates the lead  | ø20   | ø10<br>ø16<br>to ø32<br>itch mode<br>xial  
   | 1 to<br>1 to<br>1 to<br>21 No.<br>Radial  | 500<br>1000<br>1500  | Voltage   | In 1 minoreme   | m<br>nts   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3  | <ul> <li>and the case of which rubber-air cushion end plate by apprevious the stopper is mover as a second second</li></ul>  | <ul> <li>L2-G and W with the "C"</li> <li>the stopper protrudes from the poximately 1 mm at shipment.</li> <li>er-air cushion may not function if red to adjust the stroke.</li> <li>ting table for max. stroke with</li> <li>740 for min. stroke with</li> <li>stroke for fine speed.</li> </ul>   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.   | ø20<br>F Sw<br>Jea  | a10<br>a16<br>to a32<br>itch mode<br>xial<br>d wire  | 1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire  
   | 000<br>1000<br>1500<br>Contact   | Voltage   | In 1 m  | m<br>nts<br>Lead<br>wire   |   |  |  |  |      | | | | | | | | | | | | | |
  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |   |   |   |   |  
   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3  | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available (  | L2-G and W with the "C"<br>b, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>red to adjust the stroke.<br>ring table for max. stroke with<br>740 for min. stroke with<br>stroke for fine speed.<br>than  Switch model No. are<br>Made to order) Refer to   
   
   
   | Switch model No.  indicates the lead wire length.  5   | ø20<br><b>F</b> Sw<br>A<br>lea<br>T   | a10<br>a16<br>to a32<br>itch mode<br>xial<br>d wire<br>1H*   
   | 1 to<br>1 to<br>1 to<br>21 No.<br>Radial<br>lead wire<br>T1V*   | 000<br>00001<br>00001<br>00011<br>Contract   | Voltage<br>AC DC  | In 1 m<br>increme   | m<br>nts<br>Lead<br>wire<br>2-wire   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3  | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1  | L2-G and W with the "C"<br>a, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>yed to adjust the stroke.<br>ring table for max. stroke with<br>740 for min. stroke with<br>. stroke for fine speed.<br>than  Switch model No. are<br>Made to order) Refer to<br>for details.   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   | Ø20<br>F Sw<br>Jea<br>T   | 210<br>216<br>to Ø32<br>tch mode<br>xial<br>d wire<br>1H*<br>2H*   
   | 1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire<br>T1V*<br>T2V*  | 000<br>00001<br>00011<br>000120<br>Contact   | Voltage<br>AC DC  | In 1 mincreme   | m<br>nts<br>Lead<br>wire<br>2-wire   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3  | <ul> <li>rubber-air cushior<br/>end plate by appr<br/>Note that the rubb<br/>the stopper is mov</li> <li>*3 :Refer to the follow<br/>switch.</li> <li>*4 :Refer to page 1<br/>switch and max</li> <li>*5 :Switches other<br/>also available. (<br/>Ending Page 1</li> <li>*6 :When selecting a<br/>switch select th</li> </ul>   | 22-G and W with the "C"<br>a, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>red to adjust the stroke.<br>ring table for max. stroke with<br>740 for min. stroke with<br>. stroke for fine speed.<br>than Switch model No. are<br>Made to order) Refer to<br>for details.<br>a common piping with "R"<br>a model No. with a switch   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   | Ø20<br>Ø20<br>F Sw<br>A<br>Iea<br>T<br>T  | 210<br>216<br>to 032<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*   
   | 1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire<br>T1V*<br>T2V*<br>T3V*  | 000<br>0001<br>0001<br>0001<br>0001<br>0001  | Voltage<br>AC DC  | In 1 mincreme   | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3  | <ul> <li>rubber-air cushior<br/>end plate by appr<br/>Note that the rubb<br/>the stopper is mov</li> <li>*3 : Refer to the follow<br/>switch.</li> <li>*4 : Refer to page 1<br/>switch and max</li> <li>*5 : Switches other<br/>also available. (<br/>Ending Page 1</li> <li>*6 : When selecting a<br/>switch, select the<br/>(MRL2-*L).</li> </ul>  | A the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>red to adjust the stroke.<br>ring table for max. stroke with<br>740 for min. stroke with<br>. stroke for fine speed.<br>than ⓒ Switch model No. are<br>Made to order) Refer to<br>for details.<br>a common piping with "R"<br>e model No. with a switch   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   | © 200<br>© 200<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T   | 210<br>216<br>to 032<br>itch mode<br>itch   | 1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire<br>T1V*<br>T2V*<br>T3V*<br>T2WV*<br>T2WV*   
  | 0001<br>0001<br>0001<br>0001<br>0001<br>0001   | Voltage<br>AC DC  | In 1 mi<br>increme<br>Indicator   | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>2-wire   |   |  |  |  |      |  |  |   | | | | | | | | | | | | |
  |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  |   |                  |  |  |   
                                  |  |  |   |      |   |  |   |                  |   |  |   |  |   |   |   |   |   
  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3  | <ul> <li>rubber-air cushior<br/>end plate by appr<br/>Note that the rubb<br/>the stopper is mor</li> <li>*3 : Refer to the follow<br/>switch.</li> <li>*4 : Refer to page 1<br/>switch and max</li> <li>*5 : Switches other<br/>also available. (<br/>Ending Page 1</li> <li>*6 : When selecting a<br/>switch, select the<br/>(MRL2-*L).</li> </ul>  | 22-G and W with the "C"<br>a, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>ved to adjust the stroke.<br>ring table for max. stroke with<br>740 for min. stroke with<br>. stroke for fine speed.<br>than ⓒ Switch model No. are<br>Made to order) Refer to<br>for details.<br>a common piping with "R"<br>a model No. with a switch   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   |   | 210<br>216<br>to Ø32<br><b>itch mode</b><br><b>xial</b><br><b>d wire</b><br><b>1H*</b><br><b>2H*</b><br><b>3H*</b><br><b>2WH*</b><br><b>2YH*</b><br><b>3WH*</b>  
   | 1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire<br>T1V*<br>T2V*<br>T3V*<br>T2WV*<br>T2YV*<br>T2YV*<br>T3WV*  | Droximity Contact  | Voltage<br>AC DC<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0   | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED                               | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3  | <ul> <li>rubber-air cushior<br/>end plate by appr<br/>Note that the rubb<br/>the stopper is mov</li> <li>*3 :Refer to the follow<br/>switch.</li> <li>*4 :Refer to page 1<br/>switch and max</li> <li>*5 :Switches other<br/>also available. (<br/>Ending Page 1</li> <li>*6 :When selecting a<br/>switch, select the<br/>(MRL2-*L).</li> </ul>  | L2-G and W with the "C"<br>a, the stopper protrudes from the<br>poximately 1 mm at shipment.<br>er-air cushion may not function if<br>yed to adjust the stroke.<br>ing table for max. stroke with<br>740 for min. stroke with<br>. stroke for fine speed.<br>than Switch model No. are<br>Made to order) Refer to<br>for details.<br>a common piping with "R"<br>a model No. with a switch<br>Max. stroke with switch (mm)<br>200   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   |   | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3WH*<br>3YH*   
   | 1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire<br>T1V*<br>T2V*<br>T3V*<br>T2V*<br>T2VV*<br>T2YV*<br>T2YV*<br>T3WV*<br>T3WV*<br>T3YV*  | D001<br>0001<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D0011<br>D00000<br>D001<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D0000<br>D000000 | Voltage<br>AC DC  | In 1 mincreme   | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire<br>3-wire   |   | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |  
  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRM3<br>SRT3  | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 :When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10   | L2-G and W with the "C"         a, the stopper protrudes from the poximately 1 mm at shipment.         bern at stroke.         bern at stroke.         bern at stroke with         740 for min. stroke with         740 for min. stroke with         stroke for fine speed.         than € Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         be model No. with a switch         Max. stroke with switch (mm)         200         300   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   | © 200<br>© 200<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>T   | 210<br>216<br>to Ø32<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>SWH*<br>3YH*<br>3PH*  | 1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead
wire<br>T1V*<br>T2V*<br>T3V*<br>T2VV*<br>T3V*<br>T2YV*<br>T3VV*<br>T3YV*<br>T3YV*   | 0001<br>0001<br>0001<br>0001<br>0001<br>0001<br>0001<br>000  | Voltage<br>AC DC<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>•<br>• | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED                               | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>2-wire<br>3-wire   |   |  
   |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |   
  |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |   
   |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2  | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 : When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16   | L2-G and W with the "C"         a, the stopper protrudes from the poximately 1 mm at shipment.         ber-air cushion may not function if ved to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         .than € Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500  
   
   
   | Switch model No.  * indicates the lead wire length. *5   | (a)     (b)     (c)     ( | 210<br>216<br>to Ø32<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3YH*<br>3YH*<br>3YH*<br>I wire lense   | 1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire<br>T1V*<br>T2V*<br>T3V*<br>T2WV*<br>T2YV*<br>T3WV*<br>T3YV*<br>T3YV*<br>T3PV*<br>gth   
   | Proximity Contact 0001   | Voltage<br>AC DC  | In 1 m<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                 | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>3-wire   |   |  |  |  |      | | | | | | | | | | | | | | |
                |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  |                                   
       |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |   |   |   |   |  
   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRG2  | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 :Refer to the follow<br>switch.<br>*4 :Refer to page 1<br>switch and max<br>*5 :Switches other<br>also available. (<br>Ending Page 1<br>*6 :When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20  | L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   |   | 210<br>216<br>to Ø32<br><b>itch mode</b><br><b>xial</b><br><b>d wire</b><br>2H*<br>2H*<br>2H*<br>2H*<br>2H*<br>3H*<br>2WH*<br>3YH*<br>3YH*<br>3PH*<br>I wire lenger<br>Iank  
   | 1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>2 No.<br>Radial<br>lead wire<br>T1V*<br>T2V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*<br>T3YV*   | Proximity Contact  | Voltage<br>AC DC  | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>2-wire<br>3-wire<br>3-wire<br>3-wire   |   | | | | | | | | | | | | | | | | | | | | |
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  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRG2  | <ul> <li>a in the case of Michael Andread Andr</li></ul> | L2-G and W with the "C"         a, the stopper protrudes from the poximately 1 mm at shipment.         berrow at the stoke.         ing table for max, stroke with         740 for min. stroke with         740 for min. stroke with         740 for min. stroke with         Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         700   
   
   
   | Switch model No.<br>* indicates the lead<br>wire length.<br>*5   | © Sw<br>@20<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>T<br>T<br>T<br>C<br>T<br>Sw<br>A<br>Lea<br>B<br>B  | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2WH*<br>2YH*<br>3YH*<br>3YH*<br>3PH*<br>I wire leng<br>lank<br>3   | 1 to<br>1 m (standard)<br>3 m (option)  
   | Proximity Contact  | Voltage<br>AC DC  | In 1 m<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                 | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire<br>3-wire   |   |  |  |  |      |  | | | | | | | | | | | | | | |
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   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25   | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 : When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32  | L2-G and W with the *C**         a, the stopper protrudes from the poximately 1 mm at shipment.         per-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         . than   
   
   
   | Switch model No.  * indicates the lead wire length. *5   | ()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()<br>()  | 210<br>216<br>to Ø32<br>itch mode<br>itch   | 1 to<br>1 | 0001<br>0001<br>Duckimity<br>Contact   
   | Voltage<br>AC DC  | In 1 m<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                 | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>3-wire   |   |  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |   
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  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRG3<br>SRT3<br>MRL2<br>MRC2<br>SM-25   | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 : When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32<br>[Example of mod   | L2-G and W with the "C"         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than € Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         700         700         700         700         700         700         700   
   
   
   | Switch model No.  * indicates the lead wire length. *5   | © Sw<br>© Sw<br>(a)<br>(b)<br>(c)<br>(c)<br>(c)<br>(c)<br>(c)<br>(c)<br>(c)<br>(c   | 210<br>216<br>to Ø32<br>itch model<br>xial<br>d wire<br>2H*<br>2H*<br>2H*<br>2H*<br>2H*<br>2H*<br>3H*<br>2WH*<br>3YH*<br>3YH*<br>3PH*<br>I wire lengent<br>lank<br>3<br>5<br>itch quan   
   | 1 to<br>1 | 000<br>0001<br>0001<br>0001<br>0001<br>0001<br>0001<br>0001  | Voltage<br>AC DC<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>2-wire<br>3-wire<br>3-wire   |   |  |  |  |      |  |  |   |   |  |  | | | | | | |
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   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRG3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs                                       | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 :Refer to the follow<br>switch.<br>*4 :Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 :When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32<br>[Example of mot  | L2-G and W with the *C*         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         700         700         700         700         700         700         700         700         700   
   
   
   | Switch model No.  * indicates the lead wire length. *5   Switch guantity   | © Sw  | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3YH*<br>3PH*<br>I wire leng<br>lank<br>3<br>5<br>itch quan<br>R   
   | 1 to<br>1 to  | 0001<br>00001<br>Droximity<br>Contact  | Voltage<br>AC DC<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>2-wire<br>2-wire<br>3-wire<br>3-wire   |   |  |  |  |      |  | | | | | | | | | | | | | |
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   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs                               | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 :Refer to the follow<br>switch.<br>*4 :Refer to page 1<br>switch and max<br>*5 :Switches other<br>also available. (<br>Ending Page 1<br>*6 :When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32<br>[Example of mot<br>MRL2-WL-10<br>Model: Rodless cyl   | L2-G and W with the *C**         a, the stopper protrudes from the poximately 1 mm at shipment.         per-air cushion may not function if red to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         740 for min. stroke with         ring table for max. stroke with         740 for min. stroke with         red to adjust the stroke.         with model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700 <td>Switch model No. * indicates the lead wire length. *5  Switch understand</td> <td>© Sw<br/>© Sw<br/>A<br/>lea<br/>T<br/>T<br/>T<br/>T<br/>C<br/>Sw<br/>© Sw</td> <td>210<br/>216<br/>to Ø32<br/>itch mode<br/>xial<br/>d wire<br/>1H*<br/>2H*<br/>3H*<br/>2WH*<br/>2WH*<br/>2WH*<br/>3WH*<br/>3YH*<br/>3WH*<br/>3YH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3W</td> <td>1 to<br/>1 to<br/>1 to<br/>1 to<br/>1 to<br/>1 to<br/>1 to<br/>1 to<br/>1 n (standard)<br/>3 m (option)<br/>5 m (option)<br/>1 on R side<br/>1 on L side</td> <td>000<br/>00001<br/>Ducy Contact</td> <td>Voltage<br/>AC DC<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9<br/>9</td> <td>In 1 mi<br/>increme<br/>Indicator<br/>1-color LED<br/>2-color LED</td> <td>m<br/>hts<br/>Lead<br/>wire<br/>2-wire<br/>3-wire<br/>3-wire</td>  
   
   
   | Switch model No. * indicates the lead wire length. *5  Switch understand   | © Sw<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>C<br>Sw<br>© Sw   | 210<br>216<br>to Ø32<br>itch mode<br>xial<br>d
wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2WH*<br>2WH*<br>3WH*<br>3YH*<br>3WH*<br>3YH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3W | 1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 to<br>1 n (standard)<br>3 m (option)<br>5 m (option)<br>1 on R side<br>1 on L side  | 000<br>00001<br>Ducy Contact   | Voltage<br>AC DC<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED                               | m<br>hts<br>Lead<br>wire<br>2-wire<br>3-wire<br>3-wire  
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| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ                         | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 : When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32<br>[Example of mo<br>Model: Rodless cy]<br>Model No.   | L2-G and W with the *C**         a, the stopper protrudes from the poximately 1 mm at shipment.         ber-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         700         700         700         700         700         700         700         700         700         roto         stopper protruct  
   
   
   | Switch model No.  * indicates the lead wire length. *5   Switch understand   | © Sw  | 210<br>216<br>to Ø32<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>3<br>5<br>itch quan<br>R<br>L<br>D  
   | 1 to<br>1 | 0001<br>00001<br>00021<br>Ducytimity<br>Contract   | Voltage<br>AC DC<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9<br>9 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire   |   |  |  |  |      |  |  |   |   |  |  | | | | | | |
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   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ<br>FK                   | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 :When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32<br>[Example of mot<br>Model: Rodless cyl<br>Model No.<br>Bore size  | L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         . than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700 <tr td="" td<=""><td>Switch model No.  indicates the lead wire length.  5  Switch quantity</td><td>© Sw</td><td>210<br/>216<br/>to 232<br/>itch mode<br/>xial<br/>d wire<br/>1H*<br/>2H*<br/>3H*<br/>2WH*<br/>3YH*<br/>3YH*<br/>3PH*<br/>I wire leng<br/>lank<br/>3<br/>5<br/>itch quan<br/>R<br/>L<br/>D<br/>T<br/>4</td><td>1 to<br/>1 v*<br/>1 3V*<br/>1 3V*<br/>1 3VV*<br/>1 0 (standard)<br/>3 m (option)<br/>5 m (option)<br/>5 m (option)<br/>5 m (option)<br/>1 on R side<br/>1 on L side<br/>2<br/>3</td><td>000<br/>0001<br/>00021<br/>00021<br/>Contact</td><td>Voltage<br/>AC DC</td><td>In 1 mi<br/>increme<br/>Indicator<br/>1-color LED<br/>2-color LED<br/>1-color LED</td><td>m<br/>nts<br/>Lead<br/>wire<br/>2-wire<br/>2-wire<br/>3-wire</td></tr> <tr><td>MSDG<br/>FC*<br/>STK<br/>SRL3<br/>SRG3<br/>SRM3<br/>SRT3<br/>MRL2<br/>MRC2<br/>SM-25<br/>ShkAbs<br/>FJ<br/>FK</td><td><ul> <li>an the case of Mix rubber-air cushior end plate by apprivice that the rubber the stopper is mover the sto</li></ul></td><td>L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         than Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         8</td><td>Switch model No.  indicates the lead wire length.  *5  Switch quantity</td><td>© Sw</td><td>210<br/>216<br/>to 232<br/>itch mode<br/>xial<br/>d wire<br/>1H*<br/>2H*<br/>3H*<br/>2WH*<br/>2YH*<br/>3YH*<br/>3YH*<br/>3YH*<br/>3PH*<br/>I wire lens<br/>I ank<br/>3<br/>5<br/>itch quan<br/>R<br/>L<br/>D<br/>T<br/>4</td><td>1 to<br/>1 no<br/>1 no<br/>1 m (standard)<br/>3 m (option)<br/>5 m (option)<br/>5 m (option)<br/>5 m (option)<br/>1 on R side<br/>1 on L side<br/>2<br/>3<br/>4 (when there are reference)</td><td>500<br/>0001<br/>1500<br/>Contact<br/>Ducximith</td><td>Voltage<br/>AC DC<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>In 1 mi<br/>increme<br/>Indicator<br/>1-color LED<br/>2-color LED<br/>1-color LED</td><td>m<br/>nts<br/>Lead<br/>2-wire<br/>2-wire<br/>3-wire<br/>3-wire<br/>4<br/>3-wire<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4</td></tr> <tr><td>MSDG<br/>FC*<br/>STK<br/>SRL3<br/>SRG3<br/>SRM3<br/>SRT3<br/>MRL2<br/>MRC2<br/>SM-25<br/>ShkAbs<br/>FJ<br/>FK</td><td><ul> <li>an the case of Mix rubber-air cushior end plate by apprivice that the rubber the stopper is more switch.</li> <li>*3: Refer to the follow switch.</li> <li>*4: Refer to page 1 switch and max</li> <li>*5: Switches other also available. (Ending Page 1</li> <li>*6: When selecting a switch, select the (MRL2-*L).</li> <li>Bore size (mm)</li> <li>Ø6</li> <li>Ø10</li> <li>Ø16</li> <li>Ø20</li> <li>Ø25</li> <li>Ø32</li> <li>[Example of motor of MRL2-WL-10</li> <li>Model: Rodless cyl</li> <li>Model No.</li> <li>Bore size</li> <li>Port thread</li> <li>Cushion</li> <li>Stroke</li> </ul></td><td>L2-G and W with the *C**         a, the stopper protrudes from the poximately 1 mm at shipment.         per-air cushion may not function if red to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than</td><td>Switch model No.  * indicates the lead wire length. *5  Switch quantity</td><td>© Sw<br/>© Sw<br/>A<br/>lea<br/>T<br/>T<br/>T<br/>T<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw</td><td>210<br/>216<br/>to Ø32<br/>itch mode<br/>axial<br/>d
wire<br/>1H*<br/>2H*<br/>3H*<br/>2WH*<br/>2YH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3WH*<br/>3</td><td>1 to<br/>1 v<br/>1 v<br/>1 m (standard)<br/>3 m (option)<br/>5 m (option)<br/>5 m (option)<br/>5 m (option)<br/>1 on R side<br/>1 on L side<br/>2<br/>3<br/>4 (when there are reference)</td><td>500<br/>10000<br/>15000<br/>Durget<br/>Contact</td><td>Voltage<br/>AC DC<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0<br/>0</td><td>In 1 mi<br/>increme<br/>Indicator<br/>1-color LED<br/>2-color LED<br/>1-color LED</td><td>m<br/>nts<br/>Lead<br/>wire<br/>2-wire<br/>2-wire<br/>3-wire<br/>3-wire<br/>quantity.)</td></tr> <tr><td>MSDG<br/>FC*<br/>STK<br/>SRL3<br/>SRG3<br/>SRM3<br/>SRT3<br/>SRT3<br/>MRL2<br/>MRG2<br/>SM-25<br/>ShkAbs<br/>FJ<br/>FK<br/>Spd<br/>Contr</td><td>rubber-air cushior<br/>end plate by appr<br/>Note that the rubb<br/>the stopper is mov<br/>*3 : Refer to the follow<br/>switch.<br/>*4 : Refer to page 1<br/>switch and max<br/>*5 : Switches other<br/>also available. (<br/>Ending Page 1<br/>*6 : When selecting a<br/>switch, select the<br/>(MRL2-*L).<br/>Bore size (mm)<br/>Ø6<br/>Ø10<br/>Ø16<br/>Ø20<br/>Ø25<br/>Ø32<br/>[Example of model: Rodless cyl<br/>A Model No.<br/>B Bore size<br/>C Port thread<br/>D Cushion<br/>E Stroke<br/>F Switch model N</td><td>L2-G and W with the "C"         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if red to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than</td><td>Switch model No. * indicates the lead wire length. *5   Switch quantity   Option *6</td><td>© Sw<br/>© Sw<br/>A<br/>lea<br/>T<br/>T<br/>T<br/>T<br/>T<br/>T<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Sw<br/>C</td><td>210<br/>216<br/>to Ø32<br/>itch mode<br/>itch mode<br/>itch mode<br/>itch mode<br/>itch mode<br/>itch mode<br/>24<br/>24<br/>24<br/>24<br/>24<br/>24<br/>24<br/>24<br/>24<br/>24</td><td>1 to<br/>1 v*<br/>T2V*<br/>T3V*<br/>T2V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*</td><td>500<br/>1000<br/>1500<br/>Outget<br/>Coutaget</td><td>Voltage<br/>AC DC</td><td>In 1 mi<br/>increme<br/>Indicator<br/>1-color LED<br/>2-color LED<br/>1-color LED</td><td>m<br/>nts<br/>Lead<br/>wire<br/>2-wire<br/>3-wire<br/>3-wire<br/>4<br/>3-wire<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4</td></tr> <tr><td>MSDG<br/>FC*<br/>STK<br/>SRL3<br/>SRG3<br/>SRG3<br/>SRM3<br/>SRT3<br/>MRL2<br/>MRC2<br/>ShkAbs<br/>FJ<br/>FK<br/>Spd<br/>Contr<br/>Ending</td><td><ul> <li>a Hite case of Mix rubber-air cushior end plate by apprivate the stopper is mover th</li></ul></td><td>L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"        
a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700</td><td>Switch model No.  indicates the lead wire length.  *5  Switch quantity  Option *6</td><td>© Sw</td><td>210<br/>216<br/>to 232<br/>itch mode<br/>xial<br/>d wire<br/>1H*<br/>2H*<br/>3H*<br/>2WH*<br/>2YH*<br/>3WH*<br/>3PH*<br/>I wire lens<br/>I ank<br/>3<br/>5<br/>itch quan<br/>R<br/>L<br/>D<br/>T<br/>4<br/>tion<br/>C<br/>S<br/>P</td><td>1 to<br/>1 No.<br/>1 Radial<br/>lead wire<br/>T1V*<br/>T2V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3VV*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T3V*<br/>T</td><td>500<br/>1000<br/>1500<br/>Compact<br/>Norwith<br/>Sorbee<br/>fine s</td><td>Voltage<br/>AC DC</td><td>In 1 mi<br/>increme<br/>Indicator<br/>1-color LED<br/>2-color LED<br/>1-color LED<br/>1-color LED</td><td>m<br/>nts<br/>Lead<br/>wire<br/>2-wire<br/>3-wire<br/>2-wire<br/>3-wire<br/>4<br/>3-wire<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4<br/>4</td></tr> <tr><td>MSDG<br/>FC*<br/>STK<br/>SRL3<br/>SRG3<br/>SRG3<br/>SRT3<br/>MRL2<br/>MRC2<br/>SM-25<br/>ShkAbs<br/>FJ<br/>FK<br/>Spd<br/>Contr<br/>Ending</td><td><ul> <li>a Thitle cushior end plate by apprivate the stopper is more the stopper is more switch.</li> <li>*3 : Refer to the follow switch.</li> <li>*4 : Refer to page 1 switch and max</li> <li>*5 : Switches other also available. (Ending Page 1 switch, selecting a switch, selecting a switch, select the (MRL2-*L).</li> <li>Bore size (mm)</li> <li>Ø6</li> <li>Ø10</li> <li>Ø16</li> <li>Ø20</li> <li>Ø25</li> <li>Ø32</li> <li>[Example of more more size (Port thread D) Cushion</li> <li>Bore size (Port thread D) Cushion</li> <li>Stroke</li> <li>Switch model N</li> <li>Switch model N</li> <li>Switch model N</li> <li>Switch model N</li> <li>Option</li> </ul></td><td>L2-G and W with the *C*         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         50 mm         c. Proximity switch T2H         1 on R side         With shock absorber</td><td>Switch model No.  indicates the lead wire length.  *5  Switch quantity  C Switch quantity   Option *6</td><td>© Sw<br/>© Sw<br/>A<br/>lea<br/>T<br/>T<br/>T<br/>T<br/>T<br/>C<br/>Sw<br/>C<br/>Sw<br/>C<br/>Opt</td><td>210<br/>216<br/>to 232<br/>itch mode<br/>xial<br/>d wire<br/>1H*<br/>2H*<br/>3H*<br/>2WH*<br/>2YH*<br/>3YH*<br/>3YH*<br/>3YH*<br/>3PH*<br/>I wire lens<br/>I ank<br/>3<br/>5<br/>itch quan<br/>R<br/>L<br/>D<br/>T<br/>4<br/>tion<br/>C<br/>S<br/>R</td><td>1 to<br/>1 no<br/>1 v*<br/>1 0 R side<br/>1 on R side<br/>1 on L side<br/>2<br/>3<br/>4 (when there are reference on the second on the</td><td>500<br/>1000<br/>1500<br/>Compact<br/>Norwight<br/>Sorbe</td><td>Voltage<br/>AC DC</td><td>In 1 mi<br/>increme<br/>Indicator<br/>1-color LED<br/>2-color LED<br/>1-color LED<br/>1-color LED</td><td>m<br/>hts<br/>Lead<br/>wire<br/>2-wire<br/>2-wire<br/>3-wire<br/>3-wire<br/>4<br/>2-wire<br/>4<br/>2-wire<br/>1<br/>2-wire<br/>4<br/>2-wire<br/>1<br/>2-wire<br/>4<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1<br/>2-wire<br/>1</td></tr> | Switch model No.  indicates the lead wire length.  5  Switch quantity   
  | © Sw  | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>3YH*<br>3YH*<br>3PH*<br>I wire leng<br>lank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4  | 1 to<br>1 v*<br>1 3V*<br>1 3V*<br>1 3VV*<br>1 0 (standard)<br>3 m (option)<br>5 m (option)<br>5 m (option)<br>5 m (option)<br>1 on R side<br>1 on L side<br>2<br>3  | 000<br>0001<br>00021<br>00021<br>Contact  
  | Voltage<br>AC DC  | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire   | MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ<br>FK | <ul> <li>an the case of Mix rubber-air cushior end plate by apprivice that the rubber the stopper is mover the sto</li></ul> | L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         than Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         8 | Switch model No.  indicates the lead wire length.  *5  Switch quantity | © Sw | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3YH*<br>3YH*<br>3YH*<br>3PH*<br>I wire lens<br>I ank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4 | 1 to<br>1 no<br>1 no<br>1 m (standard)<br>3 m (option)<br>5 m (option)<br>5 m (option)<br>5 m (option)<br>1 on R side<br>1 on L side<br>2<br>3<br>4 (when there are reference) | 500<br>0001<br>1500<br>Contact<br>Ducximith | Voltage<br>AC DC<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED | m<br>nts<br>Lead<br>2-wire<br>2-wire<br>3-wire<br>3-wire<br>4<br>3-wire<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4 | MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ<br>FK | <ul> <li>an the case of Mix rubber-air cushior end plate by apprivice that the rubber the stopper is more switch.</li> <li>*3: Refer to the follow switch.</li> <li>*4: Refer to page 1 switch and max</li> <li>*5: Switches other also available. (Ending Page 1</li> <li>*6: When selecting a switch, select the (MRL2-*L).</li> <li>Bore size (mm)</li> <li>Ø6</li> <li>Ø10</li> <li>Ø16</li> <li>Ø20</li> <li>Ø25</li> <li>Ø32</li> <li>[Example of motor of MRL2-WL-10</li> <li>Model: Rodless cyl</li> <li>Model No.</li> <li>Bore size</li> <li>Port thread</li> <li>Cushion</li> <li>Stroke</li> </ul> | L2-G and W with the *C**         a, the stopper protrudes from the poximately 1 mm at shipment.         per-air cushion may not function if red to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than | Switch model No.  * indicates the lead wire length. *5  Switch quantity | © Sw<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw | 210<br>216<br>to Ø32<br>itch mode<br>axial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3 | 1 to<br>1 v<br>1 v<br>1 m (standard)<br>3 m (option)<br>5 m (option)<br>5 m (option)<br>5 m (option)<br>1 on R side<br>1 on L side<br>2<br>3<br>4 (when there are reference) | 500<br>10000<br>15000<br>Durget<br>Contact | Voltage<br>AC DC<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire<br>3-wire<br>quantity.) | MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>SRT3<br>MRL2<br>MRG2<br>SM-25<br>ShkAbs<br>FJ<br>FK<br>Spd<br>Contr | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is
mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 : When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32<br>[Example of model: Rodless cyl<br>A Model No.<br>B Bore size<br>C Port thread<br>D Cushion<br>E Stroke<br>F Switch model N | L2-G and W with the "C"         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if red to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than | Switch model No. * indicates the lead wire length. *5   Switch quantity   Option *6 | © Sw<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>T<br>T<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C | 210<br>216<br>to Ø32<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24 | 1 to<br>1 v*<br>T2V*<br>T3V*<br>T2V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V* | 500<br>1000<br>1500<br>Outget<br>Coutaget | Voltage<br>AC DC | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>3-wire<br>4<br>3-wire<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4 | MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>ShkAbs<br>FJ<br>FK<br>Spd<br>Contr<br>Ending | <ul> <li>a Hite case of Mix rubber-air cushior end plate by apprivate the stopper is mover th</li></ul> | L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700 | Switch model No.  indicates the lead wire length.  *5  Switch quantity  Option *6 | © Sw | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3WH*<br>3PH*<br>I wire lens<br>I ank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4<br>tion<br>C<br>S<br>P | 1 to<br>1 No.<br>1 Radial<br>lead wire<br>T1V*<br>T2V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3VV*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T | 500<br>1000<br>1500<br>Compact<br>Norwith<br>Sorbee<br>fine s | Voltage<br>AC DC | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED<br>1-color LED | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>2-wire<br>3-wire<br>4<br>3-wire<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4 | MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRG3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ<br>FK<br>Spd<br>Contr<br>Ending | <ul> <li>a Thitle cushior end plate by apprivate the stopper is more the stopper is more switch.</li> <li>*3 : Refer to the follow switch.</li> <li>*4 : Refer to page 1 switch and max</li> <li>*5 : Switches other also available. (Ending Page 1 switch, selecting a switch, selecting a switch, select the (MRL2-*L).</li> <li>Bore size (mm)</li> <li>Ø6</li> <li>Ø10</li> <li>Ø16</li> <li>Ø20</li> <li>Ø25</li> <li>Ø32</li> <li>[Example of more more size (Port thread D) Cushion</li> <li>Bore size (Port thread D) Cushion</li> <li>Stroke</li> <li>Switch model N</li> <li>Switch model N</li> <li>Switch model N</li> <li>Switch model N</li> <li>Option</li> </ul>
| L2-G and W with the *C*         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         50 mm         c. Proximity switch T2H         1 on R side         With shock absorber | Switch model No.  indicates the lead wire length.  *5  Switch quantity  C Switch quantity   Option *6 | © Sw<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>T<br>C<br>Sw<br>C<br>Sw<br>C<br>Opt | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3YH*<br>3YH*<br>3YH*<br>3PH*<br>I wire lens<br>I ank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4<br>tion<br>C<br>S<br>R | 1 to<br>1 no<br>1 v*<br>1 0 R side<br>1 on R side<br>1 on L side<br>2<br>3<br>4 (when there are reference on the second on the | 500<br>1000<br>1500<br>Compact<br>Norwight<br>Sorbe | Voltage<br>AC DC | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED<br>1-color LED | m<br>hts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire<br>3-wire<br>4<br>2-wire<br>4<br>2-wire<br>1<br>2-wire<br>4<br>2-wire<br>1<br>2-wire<br>4<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1 |
| Switch model No.  indicates the lead wire length.  5  Switch quantity   | © Sw   | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>3YH*<br>3YH*<br>3PH*<br>I wire leng<br>lank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4   
   
   
   | 1 to<br>1 v*<br>1 3V*<br>1 3V*<br>1 3VV*<br>1 0 (standard)<br>3 m (option)<br>5 m (option)<br>5 m (option)<br>5 m (option)<br>1 on R side<br>1 on L side<br>2<br>3 | 000<br>0001<br>00021<br>00021<br>Contact  | Voltage<br>AC DC   | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED  
   | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire   |   |   |  |   | | | | | | | | | | | | | | | | | | | | | |
  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  
   |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |   |   |   |   |  
   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ<br>FK                           | <ul> <li>an the case of Mix rubber-air cushior end plate by apprivice that the rubber the stopper is mover the sto</li></ul> | L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         than Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         8  
   
   
   | Switch model No.  indicates the lead wire length.  *5  Switch quantity   | © Sw  | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3YH*<br>3YH*<br>3YH*<br>3PH*<br>I wire lens<br>I ank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4   | 1 to<br>1 no<br>1 no<br>1 m (standard)<br>3 m (option)<br>5 m (option)<br>5 m (option)<br>5 m (option)<br>1 on R side<br>1 on L side<br>2<br>3<br>4 (when there are reference)  
   | 500<br>0001<br>1500<br>Contact<br>Ducximith  | Voltage<br>AC DC<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>2-wire<br>2-wire<br>3-wire<br>3-wire<br>4<br>3-wire<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4   |   |  |  |  |      | | | | | | | | | | | | | | |
                            |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  |                       
                   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |   |   |   |   |  
   |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ<br>FK                           | <ul> <li>an the case of Mix rubber-air cushior end plate by apprivice that the rubber the stopper is more switch.</li> <li>*3: Refer to the follow switch.</li> <li>*4: Refer to page 1 switch and max</li> <li>*5: Switches other also available. (Ending Page 1</li> <li>*6: When selecting a switch, select the (MRL2-*L).</li> <li>Bore size (mm)</li> <li>Ø6</li> <li>Ø10</li> <li>Ø16</li> <li>Ø20</li> <li>Ø25</li> <li>Ø32</li> <li>[Example of motor of MRL2-WL-10</li> <li>Model: Rodless cyl</li> <li>Model No.</li> <li>Bore size</li> <li>Port thread</li> <li>Cushion</li> <li>Stroke</li> </ul>   | L2-G and W with the *C**         a, the stopper protrudes from the poximately 1 mm at shipment.         per-air cushion may not function if red to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than   
   
   
   | Switch model No.  * indicates the lead wire length. *5  Switch quantity  | © Sw<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw   | 210<br>216<br>to Ø32<br>itch mode<br>axial<br>d
wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3WH*<br>3 | 1 to<br>1 v<br>1 v<br>1 m (standard)<br>3 m (option)<br>5 m (option)<br>5 m (option)<br>5 m (option)<br>1 on R side<br>1 on L side<br>2<br>3<br>4 (when there are reference)  | 500<br>10000<br>15000<br>Durget<br>Contact   | Voltage<br>AC DC<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire<br>3-wire<br>quantity.)   
   |   |  |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   
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| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRM3<br>SRT3<br>SRT3<br>MRL2<br>MRG2<br>SM-25<br>ShkAbs<br>FJ<br>FK<br>Spd<br>Contr   | rubber-air cushior<br>end plate by appr<br>Note that the rubb<br>the stopper is mov<br>*3 : Refer to the follow<br>switch.<br>*4 : Refer to page 1<br>switch and max<br>*5 : Switches other<br>also available. (<br>Ending Page 1<br>*6 : When selecting a<br>switch, select the<br>(MRL2-*L).<br>Bore size (mm)<br>Ø6<br>Ø10<br>Ø16<br>Ø20<br>Ø25<br>Ø32<br>[Example of model: Rodless cyl<br>A Model No.<br>B Bore size<br>C Port thread<br>D Cushion<br>E Stroke<br>F Switch model N  | L2-G and W with the "C"         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if red to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than  
   
   
   | Switch model No. * indicates the lead wire length. *5   Switch quantity   Option *6  | © Sw<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>T<br>T<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C<br>Sw<br>C  | 210<br>216<br>to Ø32<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>itch mode<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24<br>24   
   | 1 to<br>1 v*<br>T2V*<br>T3V*<br>T2V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*      | 500<br>1000<br>1500<br>Outget<br>Coutaget  | Voltage<br>AC DC  | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED                | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>3-wire<br>4<br>3-wire<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4   |   | | | | | | | | | | | | | | | | | | | | |
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  |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRG3<br>SRM3<br>SRT3<br>MRL2<br>MRC2<br>ShkAbs<br>FJ<br>FK<br>Spd<br>Contr<br>Ending  | <ul> <li>a Hite case of Mix rubber-air cushior end plate by apprivate the stopper is mover th</li></ul> | L2-G and W with the 'C''         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ring table for max. stroke with         740 for min. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700   
   
   
  | Switch model No.  indicates the lead wire length.  *5  Switch quantity  Option *6  | © Sw  | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3WH*<br>3PH*<br>I wire lens<br>I ank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4<br>tion<br>C<br>S<br>P  | 1 to<br>1 No.<br>1 Radial<br>lead
wire<br>T1V*<br>T2V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3VV*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T3V*<br>T      | 500<br>1000<br>1500<br>Compact<br>Norwith<br>Sorbee<br>fine s  | Voltage<br>AC DC  | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED<br>1-color LED | m<br>nts<br>Lead<br>wire<br>2-wire<br>3-wire<br>2-wire<br>3-wire<br>4<br>3-wire<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4<br>4   |   |  
   |  |  |      |  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |   
  |   |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |   
   |   |   |   |  |   |                  |   |  |
| MSDG<br>FC*<br>STK<br>SRL3<br>SRG3<br>SRG3<br>SRT3<br>MRL2<br>MRC2<br>SM-25<br>ShkAbs<br>FJ<br>FK<br>Spd<br>Contr<br>Ending | <ul> <li>a Thitle cushior end plate by apprivate the stopper is more the stopper is more switch.</li> <li>*3 : Refer to the follow switch.</li> <li>*4 : Refer to page 1 switch and max</li> <li>*5 : Switches other also available. (Ending Page 1 switch, selecting a switch, selecting a switch, select the (MRL2-*L).</li> <li>Bore size (mm)</li> <li>Ø6</li> <li>Ø10</li> <li>Ø16</li> <li>Ø20</li> <li>Ø25</li> <li>Ø32</li> <li>[Example of more more size (Port thread D) Cushion</li> <li>Bore size (Port thread D) Cushion</li> <li>Stroke</li> <li>Switch model N</li> <li>Switch model N</li> <li>Switch model N</li> <li>Switch model N</li> <li>Option</li> </ul>   | L2-G and W with the *C*         a, the stopper protrudes from the poximately 1 mm at shipment.         er-air cushion may not function if yed to adjust the stroke.         ing table for max. stroke with         740 for min. stroke with         . stroke for fine speed.         than ● Switch model No. are         Made to order) Refer to         for details.         a common piping with "R"         a model No. with a switch         Max. stroke with switch (mm)         200         300         500         700         50 mm         c. Proximity switch T2H         1 on R side         With shock absorber   
   
   
   | Switch model No.  indicates the lead wire length.  *5  Switch quantity  C Switch quantity   Option *6  | © Sw<br>© Sw<br>A<br>lea<br>T<br>T<br>T<br>T<br>T<br>C<br>Sw<br>C<br>Sw<br>C<br>Opt   | 210<br>216<br>to 232<br>itch mode<br>xial<br>d wire<br>1H*<br>2H*<br>3H*<br>2WH*<br>2YH*<br>3YH*<br>3YH*<br>3YH*<br>3PH*<br>I wire lens<br>I ank<br>3<br>5<br>itch quan<br>R<br>L<br>D<br>T<br>4<br>tion<br>C<br>S<br>R  
   | 1 to<br>1 no<br>1 v*<br>1 0 R side<br>1 on R side<br>1 on L side<br>2<br>3<br>4 (when there are reference on the second on the  | 500<br>1000<br>1500<br>Compact<br>Norwight<br>Sorbe  | Voltage<br>AC DC  | In 1 mi<br>increme<br>Indicator<br>1-color LED<br>2-color LED<br>1-color LED<br>1-color LED | m<br>hts<br>Lead<br>wire<br>2-wire<br>2-wire<br>3-wire<br>3-wire<br>4<br>2-wire<br>4<br>2-wire<br>1<br>2-wire<br>4<br>2-wire<br>1<br>2-wire<br>4<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1<br>2-wire<br>1 |   |  |  |  |      | | | | | | | | | | | | | |
                                  |  |   |   |  |  |   |  |   |   |   |  |  |  |   |  |  |   |   |  |   |  |  |  |                 
                         |                  |  |  |  |  |  |   |      |   |  |   |                  |   |  |   |  |   |   |   |   |  
   |   |                  |   |  |

# MRL2/MRL2- W Series

How to order switch	SCP*3
SW – T2H	CMK2
Switch model No. (Item <sup>©</sup> on page 1742)	CMA2
	SCM
How to order discrete shock absorber	SCG
Used when changing from the standard to that with a shock absorber	SCA2
MRL2 - W - 25 - C · Shock absorber and mounting nut	SCS2
G (hexagon nut) set of 1 each.	CKV2
Bore size (Item <sup>®</sup> on page 1742)	CAV2/ COVP/N2
(Reference)	SSD2
Applicable shock absorber model No. Model Shock absorber model No.	SSG
MRL2-W-6, MRL2-G-6 NCK-00-0.1	
MRL2-W-10, MRL2-G-10 NCK-00-0.1-C	SSD
MRL2-W-16, MRL2-G-16 NCK-00-0.3-C	CAT
MRL2-W-20, MRL2-G-20 NCK-00-0.7-C	U/LI
MRL2-W-25, MRL2-G-25 NCK-00-1.2-C	MDC2
MRL2-W-32, MRL2-G-32 NCK-00-1.2-C	
	MVC
	SMG
Clean room encoifications (Catalog No CB 02284) Specifications for rechargeship better (Catalog No CB 02284)	MSD/ MSDG
Anti-dust generation structure for use in cleanrooms     One of the compatible with rechargeable battery manufacturing process	FC*
MRL2 - * - ····· - P72 MRL2 - ····· - P4*	STK

MRL2 - \* - ····· - ( P52

1743

SRL3

SRG3

SRM3

SRT3

MRL2

MRG2

SM-25

ShkAbs

FJ

FK

Spd Contr

Internal structure and parts list MRL2 (basic)



### Cannot be disassembled

### MSDG Parts list

EC*	No.	Part name	Material	Remarks	No.	Part name	Material	Remarks
FC	1	End cap	Aluminum alloy	Chromate	13	Piston shaft	Stainless steel	
сти	2	End plate (L)	Aluminum alloy	Alumite	14	Lube keeping structure (for slider)	Special rubber	None with P72
SIK	3	O-ring	Nitrile rubber		15	Slider	Aluminum alloy	Alumite
SPI 3	4	O-ring	Nitrile rubber		16	Slider wear ring	Polyacetal resin	
SILLS	5	Cushion rubber	Urethane rubber		17	Slider yoke	Steel	Zinc chromate
SRG3	6	Piston (2)	Aluminum alloy	Chromate	18	Magnet	Special alloy	
01(05	7	Lube keeping structure (for piston)	Special rubber		19	Slider cover	Aluminum alloy	Chromate
SRM3	8	Piston packing	Nitrile rubber		20	Cylinder tube	Stainless steel	
OTTINIS	9	Piston wear ring	Polyacetal resin		21	End plate (R)	Aluminum alloy	Alumite
SRT3	10	Piston (1)	Aluminum alloy	Chromate	22	Plug	Copper alloy or steel	
OITIO	11	Piston yoke	Steel	Zinc chromate	23	Scraper	Urethane rubber	
MRL2	12	Magnet	Special alloy		24	Rubber-air cushion	Special rubber	

Note: The magnetic strength of the embedded magnet is powerful. Do not disassemble.

Spd Contr

Ending

**CKD** 

SCP\*3

Internal structure and parts list



MRL2-L (with switch)



#### Dimensions: MRL2 (basic) SCP\*3

MRL2 (basic) without switch

CMK2

CMA2

SCM

SCG

SCA2

SCS2

CKV2

CAV2/

COVP/N2

SSD2

SSG

SSD

CAT

MDC2

MVC

SMG MSD/

MSDG

FC\*



CAD

Note: It is possible to select () and () for air piping port. The unit will be shipped with the plug assembled onto port 3. ø6 to ø20: Plug (FPL-M5)
 ø25, ø32: Hexagon socket head cap taper thread plug

STK	Code	Dimen	sions				Mount	ing din	nensior	າຣ							
	Bore size (mm)	LA	LC	Α	С	D	LB	LD	LE		LF		L	G	ТВ	TD	TE
SRL3	ø6	74	80.2	20	16.5	20	68	14	ø3.5		-		M4 de	epth 6	20	12	M3 depth 4.5
	ø10	80	86.2	26	24	26	72	18	ø3.5	ø6.5 sp	ø6.5 spot face depth 3.3		M4 depth 8		20	18	M3 depth 4.5
SRG3	ø16	102	108.2	32	30	32	92	22	ø4.5	ø8 spot face depth 4.4		M5 de	epth 8	28	22	M4 depth 6	
	ø20	128	134.2	38	36	38	116	26	ø5.5	ø9.5 sp	ot face d	epth 5.4	M6 de	pth 12	44	26	M4 depth 6
SRM3	ø25	130	132.2	52	45	48	118	40	ø5.5	ø9.5 sp	ot face d	epth 5.4	M6 de	pth 12	40	30	M6 depth 6
	ø32	138	140.2	60	53	56	124	46	ø6.9	ø11 spo	ot face de	epth 6.5	M8 depth 12		40	40	M6 depth 9
SRT3	Code	Gener	al dime	nsions													
	Bore size (mm)	В	Е	E	E	F	G	Н	J	K	М	Ν	Р	TA	тс		
MRL2	ø6	11	15	M5 de	epth 4	2	37	9	9.5	2	3	34	7.6	40	18		
_	ø10	14	18	M5 de	epth 4	2	40	5.5	10	2	4	36	12	40	24		
MRG2	ø16	17	21	M5 de	epth 4	2.5	51	23	14	2	5	46	18	55	30		
	ø20	20	24	M5 de	epth 4	3	64	28	15.5	2	6	58	23	74	36		
SM-25	ø25	25.5	27	Rc	1/8	3	65	29	17	3	6	59	28	70	45		

ShkAbs

FJ FK

Spd Contr

Ending



ø32

29.5

27

Rc1/8

3

69

37

17

3

7

62

35

78



Code Bore size (mm)	А	В	с	D	E	F	G	н	J	CAT
ø6	30.7	22	10	-	-	-	-	9	9.5	MDC2
ø10	37	28	13	-	-	-	-	5.5	10	
ø16	43	34	16	9.0	4	8.5	17.3	23	14	MVC
ø20	49	40	19	9.0	9	13.5	22.3	28	15.5	
ø25	60.7	52	26	8.7	2	7.5	21	29	17	SMG
ø32	68.7	60	30	8.7	10	15.5	29	37	17	
										MSD/

SSD

MSDG FC\*

STK

SRL3

SRG3

SRM3

MRG2

SM-25

ShkAbs

FK

FJ

Spd

Contr

Ending

CKD



1748

Ending

Note: The magnetic strength of the magnet is powerful. Do not disassemble.

CKD

		V		F	2	2	2-	(	G	Ì	S	er	·i	е	\$
_	_	_	_	_	_	_		_		_	_	_	_	_	-

Internal structure and parts list



Shield plate

8

Copper alloy or steel

4 Plug

CKD

Nickeling

Steel

1749



Note: The magnetic strength of the magnet is powerful. Do not disassemble.

Lube keeping structure (for slider)

Aluminum alloy

Special allov

Stainless steel

Special rubber

Aluminum alloy

Polvacetal resin

Steel

Chromate

Alumite

Zinc chromate

26

27

28 29

30

31

32

33

Stopper

Set shoe

Stopper bolt

Hexagon nut

Scraper

Shock absorber

Rubber-air cushion

Hexagon socket set screw

Alloy steel

Steel

Steel

Aluminum alloy

Stainless steel

Urethane rubber

Special rubber

Nickeling

Nickeling

Ending

1750

ShkAbs

FJ

FK

Spd

Contr

10

11

12

13

14

15

16

Piston (1)

Magnet

Slider

Piston yoke

Piston shaft

Slider wear ring

Internal structure and parts list



# MRL2-<sup>G</sup><sub>W Series</sub>

#### CAD Dimensions: MRL2-G (simplified guide 1-piston)/MRL2-W (simplified guide 2-piston) SCP\*3 MRL2-G (simplified guide 1-piston) without switch CMK2 MRL2-W (simplified guide 2-piston) without switch With shock absorber G G Stroke length CMA2 Other than ø6 TA Е F E, SA TB SCM SD SB $\bigcirc$ $\bigcirc$ Φ ••• <u>SE</u> SCG øР ЧR Φ SCA2 2 Ø Φ Œ <u>D</u> SCS2 <u>P</u> $\bigcirc$ $\odot$ Φ t Φ CKV2 For ø6 4-LE,4-LF M Ν 6-TF CAV2/ SA LB + stroke length COVP/N2 Ş SB LA + stroke length R <u>SE</u> SSD2 LC + stroke length Φ SSG SSD 2-FF 2-EE\_Note 2 port B port A CAT Φ Ф MDC2 C Т ഫ $\mathbf{x}$ MVC Q 4-LG Α SMG \*1: It is possible to select () and () for air piping port. \*2: MRL2-W is "4-EE". MSD/ The unit will be shipped with the plug assembled onto port 3. MSDG · ø6 to ø20: Plug (FPL-M5) · ø25, ø32: Hexagon socket head cap taper thread plug FC\* Dimensions Mounting dimensions Code STK Bore size (mm) LA LC R Α С D LB LD LE LF LG ΤВ TD ΤE L 74 80.2 46 20 24 68 40 ø3.5 M4 depth 6 20 38 M3 depth 4.5 ø6 3.1 3.1 SRL3 ø10 M4 depth 6 83 87.2 1.6 2.6 64 24 26 74 54 ø4.5 ø8 spot face depth 4.4 M5 depth 10 20 55 ø16 105 109.2 1.6 2.6 76 30 32 93 64 ø5.5 28 M5 depth 8 ø9.5 spot face depth 5.4 M6 depth 12 64 SRG3 ø20 131 135.2 1.6 2.6 90 36 38 119 77 ø6.9 ø11 spot face depth 6.5 M8 depth 12 44 78 M5 depth 8 ø25 136 138 0 2 108 45 48 122 90 ø6.9 ø11 spot face depth 6.5 M8 depth 12 40 90 M6 depth 9 SRM3 40 104 ø32 144 146 0 2 126 53 56 130 108 ø6.9 ø11 spot face depth 6.5 M8 depth 12 M6 depth 9 Code General dimensions SRT3 Ρ SA SB SE F G н J κ Μ Ν Q SC SD SF TA тс Bore size (mm) в E EE ø6 13 15 M5 depth 4 2 37 9 9.5 2 3 34 7.6 26 15.5 9.5 6 4 40 44 MRL2 2 4 ø10 14 19.5 M5 depth 4 2 41.5 5.5 11.5 4.5 37 12 34 20.5 9.5 5 6 6 40 62 17 22.5 52.5 11.5 ø16 M5 depth 4 2.5 15.5 2 6 46.5 18 38 23.5 6 6 4 7 74 23 55 MRG2 4 ø20 20 25.5 M5 depth 4 3 65.5 28 17 2 6 59.5 23 46 25.5 10.5 8 7 8 74 88 25.5 Rc1/8 3 29 20 3 7 61 30 12.5 10 7.5 5 10 70 101 ø25 30 68 28 50 SM-25 ø32 29.5 30 Rc1/8 3 37 20 3 5 119 72 7 65 35 60 30 12.5 10 7.5 10 78 ShkAbs FJ FK

CKD

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Spd Contr

# MRL2-<sup>G</sup><sub>W Series</sub>

Dimensions



CKD

SCP*3	Switch mounting p	position dimer	nsions				
CMK2	MRL2-L-* (switch: T2 <sup>H</sup> /v GL	, T3 <sup>H</sup> /v, T2W <sup>H</sup> /v, T3\	W <sup>H</sup> /∨)				
CMA2							
SCM	For Ø6	For Ø10	For Ø16 to Ø32				
SCG	X	X		<u>&lt;</u>			
SCA2							
SCS2						£	
CKV2					LD		
CAV2/ COVP/N2				L side			<u>K side</u>
SSD2	Code		T2 <sup>H</sup> /v, T3 <sup>H</sup> /v			T2W <sup>H</sup> /v, T3W <sup>H</sup> /v	
	Bore size (mm)	RD	LD	Х	RD	HD	X
SSG	ø6	3.5	27	0.5	1.5	29	0.5
000	ø10	2.5	27	0.5	0.5	29	0.5
55D	ø16	2.5	44	0.5	0.5	46	0.5
CAT	Ø20	1	63.5 E9	0.5	-1	65.5	0.5
		1.5	67.5	0.5	-0.5	69	0.5
MDC2		1.0	01.0	0.0	0.0	00	0.0
MVC	● MRL2-L-* (switch: T1 <sup>H</sup> /v	, T2Y <sup>H</sup> /∨, T3Y <sup>H</sup> /∨)					
SMG	WL						
MSD/ MSDG	Eor ø6	Eor ø10	Eor a16 to a32				
FC*	•••••		• • • • • • • • • • • • • •				
STK							
SRL3							
SRG3		We want					
SRM3	x		X		LD		R side
SRT3							
MRL2	Code		RD		LD		x
MRG2	Bore size (mm) ø6		4.5		26	6(	11.5)
SM-25	ø10 ø16		3.5		26 43	6(	(11.5)
ShkAbs	ø20		2		62.5	6(	(11.5)
FJ	ø25		3		57	6(	11.5)
_	032		2.0		00	*1: Valu	(1.3)
FK						1. Val	
Spd Contr							
Ending							
17	54 <b>CKD</b>						

Selection guide



MRL2-(G,W)-6

300 500

1000

Stroke (mm)

0

MRL2-10

300 500

1000

Stroke (mm)

1500

MRL2-6

0

CKD

1500

1755

Spd

Contr



### STEP-2 Calculation of load factor

1. Depending on the size and direction of the load as well as the mounting orientation, calculate the required thrust with Tables 2 and 3 below as guidelines.

Table 2

	Vertical load	Bending moment	Radial mo	oment	Torsion r	noment	
Size and direction of load	W						
Mounting orientation	Horizontal	Vertical	Horizontal		Vertical		
Required thrust	F∾=0.2 (W+W₀)	$F_{N=} \frac{0.2 W \ell_1}{L_1} + W + W_0$	Fn=0.2 ( <u>Wl</u> 2 L2	+W+W₀ <b>)</b>	Fn= <u>0.2 Wℓ</u> ₃ L1	<sup>3</sup>	
As	As the slider rotates with the single, radial moment and torsion Table 3						
			Model No.	Wo	L <sub>1</sub>	L <sub>2</sub>	
			MRL2-6	0.4	27	-	
FN	: Required thrust (N)		10	0.6	27	-	
VV Wo	W : Load (N) W <sub>0</sub> : Slider self-weight (N) $l_n$ (n = 1, 2, 3): Overhang (mm) L <sub>1</sub> : Slider bearing pitch (mm)		16	1.2	39	-	
ln (1			20	2.4	58	-	
L1			25	3.8	70	-	
L2	: Pitch of guide (mm)		32	5.2	78	-	
			MRL2-%-6	0.9	27	26	
			10	1.7	27	34	
			16	3.0	39	38	
			20	5.9	58	46	
			25	8.5	70	50	
2. Calculate the load factor from the required thrust calculated in 1 and ■ Table 4, Fig. 2. (Make sure that the load factor is less than or equal to approximately 50%.)							
Load factor $\alpha = \frac{F_N}{\frac{a}{100}} \cdot A$ $B = \frac{a}{100} \cdot A$ $F_N: \text{ Required thrust (N)}$ a: Thrust efficiency (%) A:  Theoretical thrust (N) B: Effective thrust (N)							

CKD

Selection guide

SCP\*3

CMK2

CMA2

SCM

SCG

SCA2

SCS2

CKV2

CAV2/

COVP/N2

SSD2

SSG

SSD

CAT

MDC2

MVC

SMG

MSD/ MSDG

FC\*

STK

SRL3

SRG3

Table 4 Theoretical thrust table						
Indicator code						
Model No	Working pressure MPa					
Model No.	0.2	0.3	0.4	0.5	0.6	0.7
MRL2,MRL2-G-6	-	8	11	14	17	20
10	-	24	31	39	47	55
16	40	60	80	101	121	141
20	63	94	126	157	188	220
25	98	147	196	245	295	344
32	161	241	322	402	483	563
MRL2-W-6	-	17	23	28	34	40
10	-	47	63	79	94	110
16	80	121	161	201	241	281
20	126	188	251	314	377	440
25	196	295	393	491	590	687
32	322	483	643	804	966	1130



\* Note that the difference between effective thrust and theoretical thrust will be greater with a lower pressure due to the thrust efficiency being lower.

#### STEP-3 Formula for kinetic energy calculation

Calculate the kinetic energy from the load weight (m) and speed (V) and make sure that this is less than or equal to the allowed value listed in **Table 5**.

When exceeding the allowable absorbed energy value, increase the cylinder size so that the value falls under the allowable absorbed energy or consider the use of an external shock absorber.

This speed is the velocity just before cushion entry and not the average speed, if it is unknown, calculate the cushion entry velocity by using formula (1).

$$E = \frac{1}{2} mV^{2}$$
$$Va = \frac{L}{t}$$
$$V = Va \times (1 + 1.5 \frac{\alpha}{100}) \quad (1)$$

E : Kinetic energy	(J)
--------------------	-----

- m: Weight (kg)
- V : Cushion entry velocity (m/s)
- Va: Average speed (m/s)
- L : Stroke (m)
- t : Travel time (s)
- $\alpha$  : Load factor (%)

Table 5	Allowable absorbed energy value
Table J	Allowable absoluted ellergy value

Poro oizo	Allowable absorbed energy (J)		
DOI'e Size	MRL2	MRL2- $_{W}^{G}$	
ø6	0.006	0.12	
ø10	0.028	0.12	
ø16	0.100	0.25	
ø20	0.265	0.58	
ø25	0.283	0.74	
ø32	0.523	0.74	

### Shock absorber specifications

SRM3	Stroke (mm)	Max. absorbed energy (J)	Bore size	
SRT3	4	0.24	ø6	
	4	0.24	ø10	
MRL2	5.5	0.80	ø16	
	7.5	2.11	ø20	
MRG2	9.5	3.88	ø25	
	9.5	3.88	ø32	
SM-25				

ShkAbs

- FJ
- FK

Spd Contr

Ending

CKD

# SCP\*3 CMK2 CMA2 SCM SCG SCA2 SCS2 CKV2 CAV2/ COVP/N2 SSD2 SSG SSD CAT MDC2 MVC SMG MSD/ MSDG FC\* STK SRL3 SRG3 SRM3 SRT3 MRL2 MRG2 SM-25 ShkAbs FJ FK Spd Contr Ending

### STEP-4 Confirmation of inertia load

Confirm that the weight (m), overhang ( $I_n$  (n = 1, 3)), and cushion entry velocity (V) multiplied together and then divided by the value of A shown in the table below is less than or equal to 1.

When this value exceeds 1, increase the cylinder size so that this value becomes 1 or less or review the usage conditions.

Dana sina	A		
Bore size	MRL2	MRL2-G	
ø6	5.6	11.2	
ø10	17	34	
ø16	68	136	
ø20	142	284	
ø25	187	374	
ø32	255	510	

m : Weight (kg) I<sub>n</sub> (n=1,3) : Overhang (mm) V : Cushion entry velocity (m/s)



Technical data

SCP\*3

### MRL2-G / MRL2-W slider runout amount

Bending moment



Radial moment



Torsion moment



Poro cizo	Moment load	Table runout amount at point A (± mm)			
Dore Size	MRL2 MRL2-G,W	M₁ direction	M <sub>2</sub> direction	M₃ direction	
ø6	M1, M3: 0.2 N·m M2: 0.1 N·m	1.5	1.46	1.05	
ø10	M1, M3: 0.6 N·m M2: 0.2 N·m	1.61	1.12	0.92	
ø16	M <sub>1</sub> , M <sub>3</sub> : 2.5 N·m M <sub>2</sub> : 0.5 N·m	1.3	1.16	0.87	
ø20	M₁, M₂, M₃: 2.5 N⋅m	0.89	0.96	0.65	
ø25	M1, M2, M3: 5 N⋅m	1.1	0.92	0.7	
ø32	M1, M2, M3: 5 N⋅m	1.0	0.77	0.6	

\*1: Point A is a point that is 200 mm away from the center of the slider.

### Rubber cushion and rubber-air cushion comparison data (reference values)

Measurement of the noise level (dB) generated when the piston collides at the end of the stroke.

Measuring conditions

1. Sample cylinder

2. Piston speed upon collision at end of stroke

: MRL2 basic type, stroke 200 mm : V = 300 mm/S

: No load

3. Distance between noise level meter and cylinder : 0.25 m

4. Load

Representative example Unit: dB Bore size **Rubber cushion** Rubber-air cushion ø6 51.2 44.7 ø10 51.2 45.6 48.2 63.4 ø16 ø20 75.9 59.3

CMK2 CMA2 SCM SCG SCA2 SCS2 CKV2 CAV2/ COVP/N2 SSD2 SSG SSD CAT MDC2 MVC SMG MSD/ MSDG FC\* STK SRL3 SRG3 SRM3 SRT3 MRL2 MRG2 SM-25 ShkAbs FJ FK

CKD

Spd Contr



SCP\*3

CMK2

SCM

SCG

SCA2

SCS2

CKV2

CAV2/

COVP/N2

SSG

SSD

CAT

MDC2

MVC

SMG

MSD/

MSDG

FC\*

STK

SRL3

### Pneumatic components

# **Safety Precautions**

Be sure to read this section before use.

Refer to Intro Page 73 for general information of the cylinder, and to Intro Page 80 for general information of the cylinder switch.

#### Product-specific cautions: Magnet rodless cylinder MRL2 Series CMA2

## **Design/selection**

### 1. Common

### 

- Be careful of the gap between the end plate and the slider. Be careful when operating the cylinder as getting a hand or finger caught in the unit may lead to injury.
- Do not apply a load to the cylinder that is greater than or equal to the allowable load listed in the selection guide.
- SSD2 Do not use the product with the slider fixed. Use the cylinder with the end plate fixed. Avoid use of the product with the slider fixed.
  - When fixing the basic type with switch with the guide, configure the rotational angle of the slider to be less than or equal to  $\pm 1^{\circ}$ .
  - Mount so that the slider functions with the min. working pressure value of all processes. When the flatness of the surface for cylinder installation is
    - poor, the min. working pressure will rise due to guide unit torsion and cause early wear of the bearing section. For this reason, mount the unit so that the slider functions with the min. working pressure value of all processes. Although mounting mating surfaces should be highly flat, adjust with shims when this cannot be confirmed.
  - Be careful to avoid scratching or denting the outer peripheral surface of the cylinder tube. This will cause damage to the lube keeping structure, scraper, and slider wear ring and may lead to defective operation.
- With the basic type MRL2, be careful of slider rotation. SRG3 Either connect with an external bearing or consider the use of MRL2-G or MRL2-W.
- SRM3 Do not use the product in a state where the slider is displaced. When the slider has become displaced due to external force SRT3 that is greater than or equal to the magnetic holding force, manually push the stroke end back to its original position.
- MRL2 Do not apply an eccentric load to the slider. When the load and cylinder are direct mounted, their MRG2 respective shaft center eccentricities cannot be absorbed, and lateral load applies, leading to misoperation (figure SM-25 below left). Use with consideration for a connection method which enables absorption of this eccentricity and the ShkAbs self-weight deflection of the cylinder. The figure below right shows recommended mounting.



The cylinder switch may malfunction if there is a magnetic substance such as a metal plate installed adjacently. Check that a distance of 4 mm is provided from the switch surface.



When using cylinders adjacent with each other or when using other magnetic sensors nearby, in order to prevent malfunctioning due to the leaked magnetic field of the cylinder embedded magnet, make sure that the distance from the surface of the slider to the other magnetic sensors is separated by at least the values listed below.



When this distance is dimension A or less, malfunctions can be prevented by placing a magnetic substance (steel plate with thickness of 2 mm or more) between the slider and the others.

When using in a dusty environment, it is recommended to select the type with scraper (option S).

### 2. Rubber-air cushioned MRL2-\*C

■ Note that, structurally, the stroke end position cannot be retained if air supply is cut off. When detecting the stroke end by switch, set the switch position with pneumatic pressure applied, as otherwise the position may be out of the detection range.

### 3. Fine speed MRL2-F

■ Use without lubrication.

Applying lubrication may cause changes in characteristics.

- Assemble the speed controller near the cylinder. When installed far from the cylinder, the speed becomes unstable. Use the SC-M3/M5-F, SC3W, SCD-M3/M5 or SC3U Series speed controller.
- In general, the speed is stabler at higher air pressure and lower load factor. Use at a 50% or less load factor.
- Do not apply a lateral load to the slider. Also install the sliding guide so that it is not twisted. When the load or the resistance fluctuates, operation becomes unstable. With a large difference between static friction and kinematic friction of the guide, operation becomes unstable.
- Avoid using this product where vibration is present. The product will be adversely affected by vibration and operation will become unstable.

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It also has no B dimension (port) because common piping with switch is not possible.



### **Use/maintenance**

2 ( **1. Common** 

WARNING

The magnetic strength of the embedded magnet is powerful. Do not disassemble.

■ With bore size of ø16 or less, because of changes in the cushion rigidity when left for long periods, the stroke may become slightly shorter than the standard value at the low pressure setting. Perform a trial run, such as operating several times and performing back-and-forth operation at high supply pressure. 2. Rubber-air cushioned MRL2-\*C

### **CAUTION**

Do not rapidly discharge air from the cylinder after performing low speed operation outside the catalog specifications range. (Example: Removing piping or coupler, etc.)

Otherwise the rubber air cushion may fall. Note that the possibility of occurrence of this may increase especially when the air pressure is high.