

Series RS

- Easy to identify operation status along solenoids
 - Sol' A turns on red, and Sol' B turns on green LED.

- Actualization of intensive wiring method
 - Providing convenience to wiring process in accordance with integration of wires
 - Convenient response and dimension replacement for SI Unit of D-Sub connector and Flat cable connector

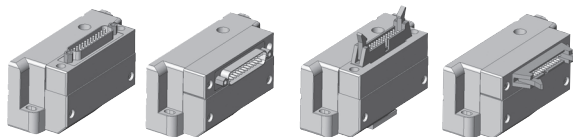
- Possible to select integrated exhaust and silencer built-in method

- Easy to replace middle block in accordance with internal wiring by multi-polar connector

- Single and double base compatibility available
 - PCB direction change by one base (Patent registered)

- Actualization of base separation method
 - In accordance with separation of bases along each connection number, comfortable for increase/decrease

- Possible for vertical and horizontal wiring and strength secured
 - Providing comfort in wiring for customers
 - Strength secured



Series RS

Actualization of non-polar type base specification

- Overall Responding to (+) common and (-) common

Actualization of safety and environment-friendly performance

- RoHS response and UL and CE mark certificate currently processing

Responding to external pilot method

- Application available for different pressure or vacuum control

Possible to respond Dual 3 port

- Possible to conduct 3 port 2EA with 1EA valve (Possible to respond N.C and N.O)

N.C/N.C **N.O/N.O**

High speed response & large capacity

- Less and 12ms for response time
- Over 0.22 for effective section area
- ※ Single base

Possible for maximum 24connection for connection number

- Responding to 24connection for single case and 12connection for double

Possible to install multi-SUP/EXH Block

- Regardless of location and quantity of SUP/EXH block installation, possible to control different pressure and prevent back pressure

Comfortable for fitting replacement

- Possible to respond $\phi 4$ and $\phi 6$ for A and B ports
- Fitting replacement available under valve assembled condition
- Utility model registration completed

Diversification of Piping fittings

- Responding to general fittings and inch fittings

Actualization of Connection diversification

- Connecting of Din Rail and Direct connection (Tie Rod) available

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

Plug-in Type 5-port Pilot Type Solenoid Valve



- POSSIBLE TO CONNECT BY DIN RAIL OR TIE ROD IN ACCORDANCE WITH UTILIZATION CONDITION
- NO RESTRICTION IN INSTALLATION LOCATION AND QUANTITY OF SUP/EXH BLOCK
- POSSIBLE FOR 24 CONNECTION FOR SINGLE AND 12 CONNECTION FOR DOUBLE
- NON-POLAR TYPE, RESPONSE TO (+) AND (-) COMMON (DUAL 3-PORT TYPE IS ENERGY SAVING BASED, RESPONSE AVAILABLE ONLY FOR (+) COMMON)
- POSSIBLE TO MAKE SINGLE, DOUBLE, 3-POSITION AND DUAL 3-PORT 4 POSITION
- POSSIBLE TO INSTALL SINGLE AND DOUBLE VALVE ON THE SAME BASE
- POSSIBLE TO RESPOND D-SUB CONNECTOR, FLAT CABLE CONNECTOR AND SI UNIT

Solenoid Valve Specification

Applied Fluid		Air	
Operating Pressure Range MPa(kgf/cm ²)	Internal Pilot	2 Position Single	0.15~0.7 (1.5~7.1)
		2 Position Single	0.1~0.7 (1~7.1)
		3 Position	0.2~0.7 (2~7.1)
		4 Position Dual 3 Port	0.15~0.7(2~7.1)
	External Pilot	Operating Pressure Range	-100kPa~0.7MPa
Pilot Pressure		0.25~0.7	
Ambient Temperature and Fluid Temperature(°C)		0~50	
Manual Override		Non Lock Push Method	
Pilot Exhaust Method	Internal Pilot	Integrated Exhaust Type for Main and Pilot Valve	
	External Pilot	Pilot Valve Individual Exhaust Type	
Lubrication		Non-Lube	
Mounting		Free	
Impact/Vibration-Resistance %		150/30(8.3~2000Hz)	
Maximum Operation Frequency (Hz)	2 Position, 4 Position		5
	3 Position		3
Enclosure		IP40	
Rated Voltage (V)		DC 24, DC 12	
Allowable Voltage Fluctuation (%)		-10 ~ + 10 of Rated Voltage	
Polarity		Non Polar Based (Note 1)	
Power Consumption (W)		0.85 (Energy Saving Type 0.35)	

Note 1) Dual 3-port type is energy saving based, available only for (+) common.

Dual 3-port type is basically power-saving (+) common, and if you want (-) common, separate orders are required.

Manifold Specification

Index		RS1000	RS2000
Connection Method	Between Blocks	Compatible Between	
	Between Blocks	Din Rail and Tie Rod	
SUP/EXH Method		Integrated SUP/EXH	
Max. Stations		24 Stations	
Number of Output		24	
Port Size	P, R	Ø8, Ø5/16"	Ø10, Ø3/8"
	A, B	Ø4, Ø6, Ø5/32", Ø1/4"	Ø4, Ø6, Ø5/32", Ø1/4", Ø5/16"

Weight sheet

(Unit : g)				
Item		RS1000	RS2000	Note
Valve	Single	60	84	
	Double	68	94	
	3-Position	70	100	
MANIFOLD SIDE COVER ASSY		232	338	
Base Product		36	80	

Series RS 1000, 2000

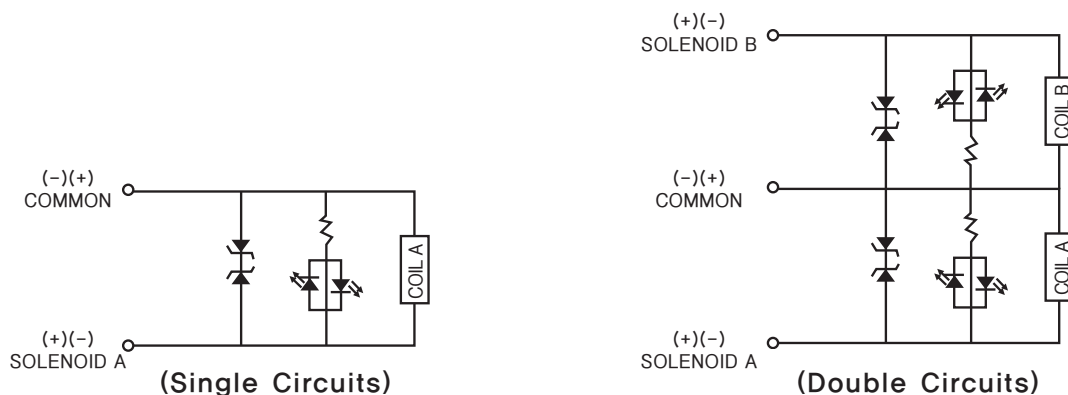
Valve Flow Characteristics

Valve Description	Pipe contact diameter		Effective sectional diameter mm ² (Cv value)	
	RS1000	RS2000	RS1000	RS2000
Single Solenoid	Ø6	Ø8	4.0(0.22)	9.5(0.53)
Double Solenoid	Ø6	Ø8	4.0(0.22)	9.5(0.53)
Closed Center	Ø6	Ø8	3.3(0.18)	7.2(0.40)
Exhaust Center	Ø6	Ø8	3.3(0.18)	7.2(0.40)
Pressure Center	Ø6	Ø8	4.9(0.27)	10.8(0.60)
4 location N.C/N.C	Ø6	Ø8	3.3(0.18)	8.1(0.45)
4 location N.O/N.O	Ø6	Ø8	4.0(0.22)	8.4(0.47)
4 location N.C/N.O	Ø6	Ø8	3.3(0.18)/4.0(0.22)	8.4(0.47)/8.1(0.45)

Solenoid Valve Response Time

Type	Response Time (ms)	
	RS1000	RS2000
2 position single	12 or less	30 or Less
2 position double	11 or less	20 or Less
3 position	18 or less	34 or Less
4 position dual 3 port	25 or less	40 or Less

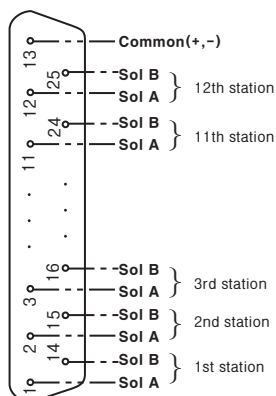
Valve Circuit Diagram



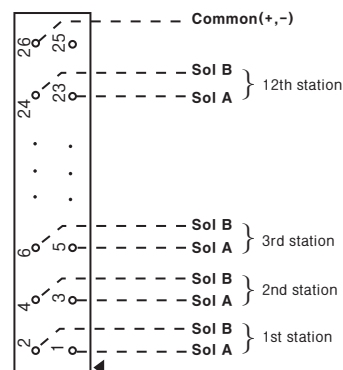
- ▶ Non-polar type solenoid, Sol A is red and Sol B is green lamp.
- ▶ Since surge protecting circuit is equipped, it is safe against surge voltage.

Manifold Electrical Arrangement

D-Sub Connector Type



Flat Cable Connector Type



- ▶ Non-polar solenoid valve, no problem to use any of (+) or (-) common.
- ▶ Since wiring above is base for less than 12 connection, Single is available only for Sol A, Double is with sequence of 1 → 14 → 2 → 15, and Flat cable connector is with sequence of 1 → 2 → 3 → 4 → without omission, however, it should be cautious that the case of combining single and double is different to the wiring above.

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300
DP3000
DP5000

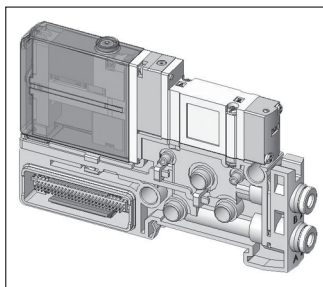
DM

DT220

Series RS 1000, 2000

Plug In Valve Model Number System

1) How to Order Valve & Base Assembly Type



RS 1 1 40 B — 5 — T6 — —

1 2 3 4 5 6 7

1 Series

- 1 : RS1000
2 : RS2000

* Requested to separately inquire for order

2 Configuration

- 1 : 2 position single
2 : 2 position Double
3 : 3 position Closed Center
4 : 3 position Exhaust Center
5 : 3 position Pressure Center
6 : 4 position dual 3-port :NC, NC
7 : 4 position dual 3-port :NO, NO
8 : 4 position dual 3-port :NC, NO

1		5	
2		6	
3		7	
4		8	

3 Pilot Specification

Blank : Internal pilot
P : External pilot

Note) 4 location dual 3-port valve does not have external pilot specification.

4 Voltage

- 5 : DC 24V
6 : DC 12V

5 A, B Port Size

Symbol	mm	Symbol	Inch	Applied series
T3	Ø3			RS1000
T4	Ø4	U4	Ø5/32"	
T6	Ø6	U6	Ø1/4"	
T4	Ø4	U4	Ø5/32"	RS2000
T6	Ø6	U6	Ø1/4"	
T8	Ø8	U8	Ø5/16"	

6 PCB wiring specification

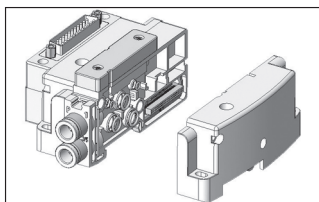
Blank : Double wiring specification
S : Single wiring specification

Note) Single also uses basic double wiring specification, and single wiring is combined only or over 12 connection setting.

7 Manifold Attachment

Blank : Non manifold
WM : Manifold attached

2) How to Order Manifold Side Cover Type



1 Series

- 1 : RS1000
* 2 : RS2000

2 Connector Type

- D : D-Sub Connector (25Pin)
F : Flat Cable Connector (26Pin)

3 Connector Extracting Direction

- V : Vertical direction
H : Horizontal direction

Connector Type	Horizontal direction	Vertical direction
D-sub Connector		
Flat Cable Connector		

RSM 1 A — D V — B — T8

1 2 3 4 5 6

4 A and B Port Extracting Location

B (2~10 stations)	
T (2~10 stations)	
A (more than 11 stations)	

6 P, E Port Size

Symbol	mm	Symbol	Inch	Applied series
T8	Ø8	U8	Ø5/32"	RS1000
T10	Ø10	U10	Ø3/8"	RS2000

Note) *Mark is a non-standard.

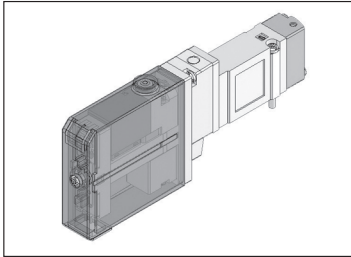
5 Pilot Specification

No symbol	Internal Pilot	
N	Internal Pilot, Silencer Equipped	
P	External Pilot	
PN	External Pilot, Silencer Equipped	

Series RS 1000, 2000

Plug In Valve Item Number System

3) How to Order Valve Type



1 Series

- 1 : RS1000
* 2 : RS2000

※ Contact us for order

RS 1 1 40 — 5 —

1 2 3 4 5

2 Configuration

- 1 : 2 position single
2 : 2 position Double
3 : 3 position Closed Center
4 : 3 position Exhaust Center
5 : 3 position Pressure Center
6 : 4 position dual 3-port : NC, NC
7 : 4 position dual 3-port : NO, NO
8 : 4 position dual 3-port : NC, NO

3 Pilot specification

Blank : Internal pilot

P : External pilot

Note) 4 location dual 3-port valve does not have external pilot specification.

4 Voltage

- 5 : DC 24V
6 : DC 12V

5 Manifold Option

- Blank : Without manifold
WM : With Manifold

1		5	
2		6	
3		7	
4		8	

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

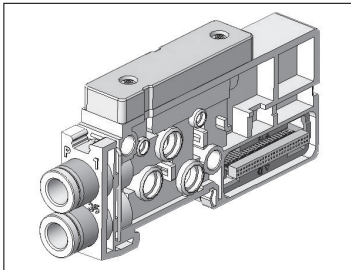
DP300
DP3000
DP5000

DM

DT220

Plug In Valve Item Number System

4) How to Order Sup/Exh Block Type



R S M 1 S — M

1 2 3

1 Series

- 1 : RS1000
* 2 : RS2000
*(Inquire separately for order)

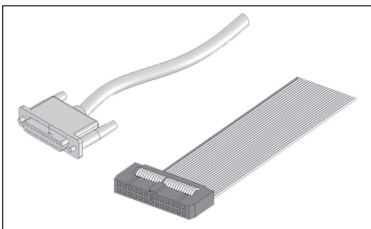
2 Pilot Specification

Blank	Internal Pilot	
N	Internal Pilot, Silencer Equipped	
P	External Pilot	
PN	External Pilot, Silencer Equipped	

3 P,E Port Size

Symbol	mm	Symbol	Inch	Series
M	Ø8	I	Ø5/16"	RS1000
	Ø10		Ø3/8"	RS2000

5) How to Order Cable Type



R S M — C — D — 15

1 2

1 Connector Type

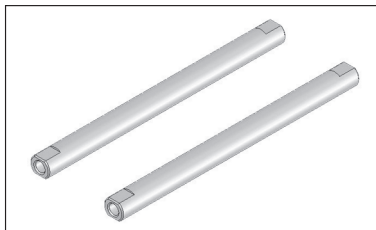
- D : D-Sub Connector (25Pin)
F : Flat Cable Connector (26Pin)

2 Cable Length

- 15 : 1.5m
30 : 3m
50 : 5m

Series RS 1000, 2000

6) How to Order Tie Rod Type (over 5-stations)



R S M 1 T - B 5 -

1
2
3

① Series

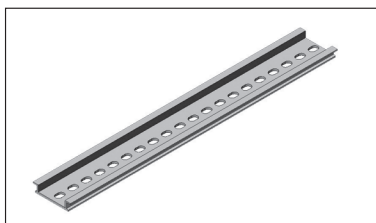
1 : RS1000
* 2 : RS2000

② Base Station Number (5~24-station)

③ Sup/Exh Station

Blank : 1 Station
S2 : 2 Stations
S3 : 3 Stations
4 : 4 Stations

7) How to Order Din Rail Type



R S M 1 D - B 06

1
2

① Series

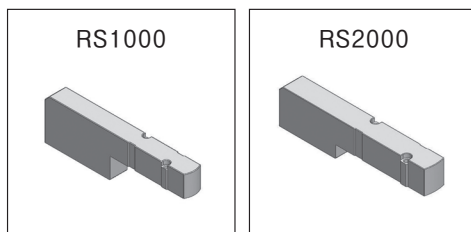
1 : RS1000
* 2 : RS2000

② BASE Station Number

06 : 2~6 Stations
10 : 7~10 Stations
15 : 11~15 Stations
20 : 16~20 Stations
24 : 21~24 Stations

Plug In Valve Item Number System

8) How to Order Blank Plate Type



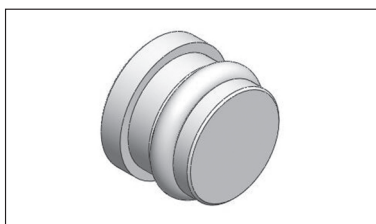
R S M 1 - B

●

● Series

1	RS1000
2	RS2000

9) RS1000 Block Disc Indicating Method



R S M 1 - 1 0 6 A 2 2 1 4

※ In case of providing more than 2 types of pressure into one manifold, utilize with attaching at base P-Port.

Series RS 1000, 2000

RS Series Valve, Manifold Ass'y Sheet

Manifold Assembly Item Number										
Voltage (V)		Pilot Method		Connecting		Connecting Direction		Silencer Attached		Requested Quantity
24V	12V	Internal	External	D-Sub	Flat	Vertical	Horizontal	Y	N	SET

USER	
Order/Special Order NO.	
A person in Charge	(Sign)

Connection Number		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
Index	Valve																								
Valve	Switching Method																								
Manifold (Fitting Size)	RS1000	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6
		Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4
		Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8
		Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6
Manifold (Fitting Size)	RS2000	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4
		Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8	Ø8
		Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6	Ø6
		Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4	Ø4
Special Contents																									

Order Method and Notices

- 1) Refer to catalogue type indicating method for manifold assembly and valve switching method for documentation. Documentation example:
- 2) It is possible to order maximum 24-connection (single wiring) for single and maximum 12-connection (double wiring) for double and other specifications. (Double wiring applied for less than 12-connection)
- 3) External pilot type is not produced for dual 3-port.
- 4) In case manifold fitting size is identical along connection-sets, do not fill fitting size blank, and assign fitting size at manifold assembly type indicating method. (Ex →) Manifold assembly = RSM1-DRDV-05B-T06/ Fitting size not selected)
- 5) In case manifold fitting size is different along connection-set, select applied fitting size at fitting size blank, and assign fitting size as ** at manifold assembly type indicating method. (Ex →) Manifold assembly = RSM1-DRDV-05B-*/ Fitting size selected)
- 6) Select O mark at applied specification.
- 7) Separately indicate items beside catalogue dimension at special items.

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

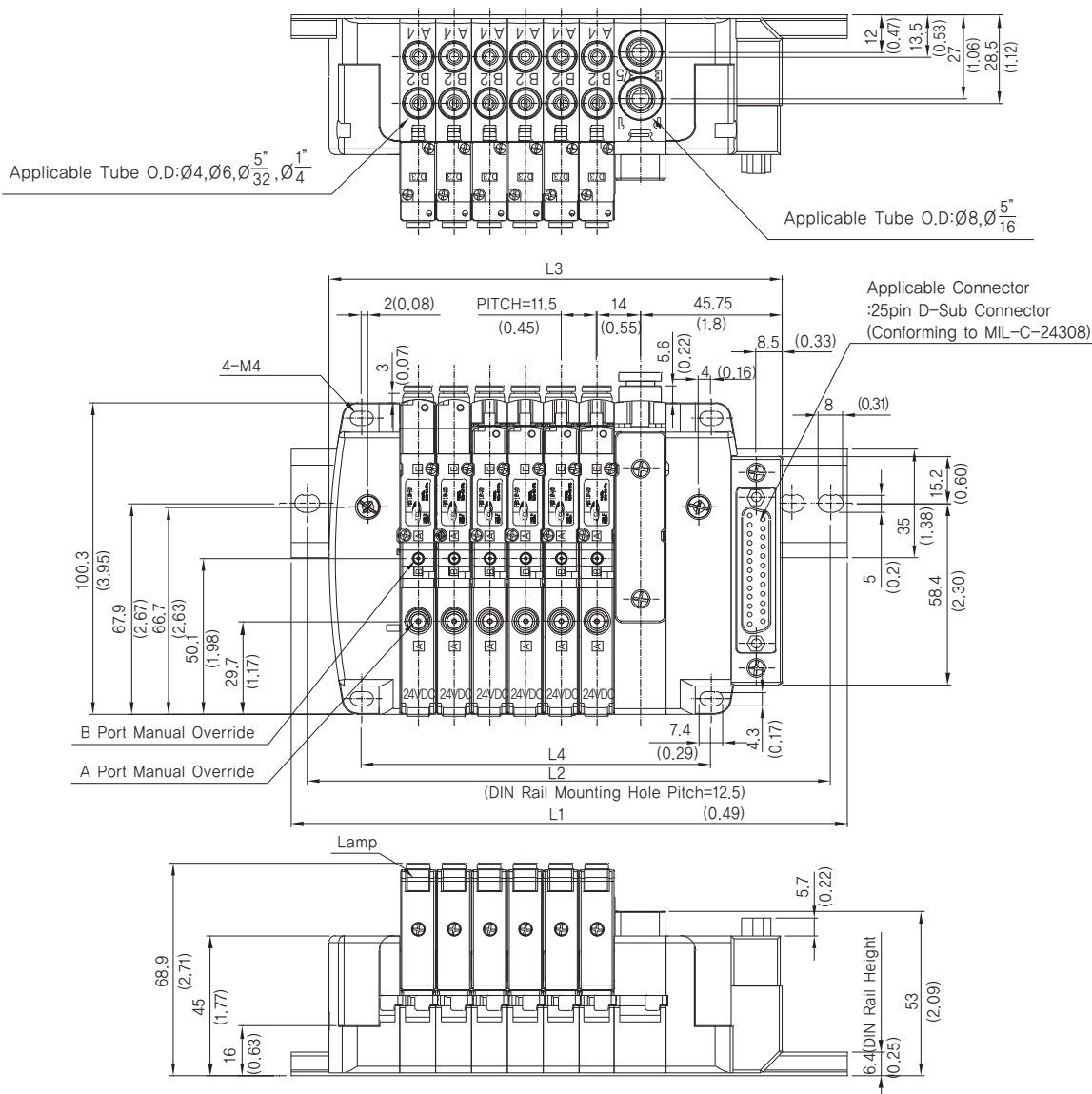
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS1000 External Dimension Drawing (Basic Type, D-Sub)

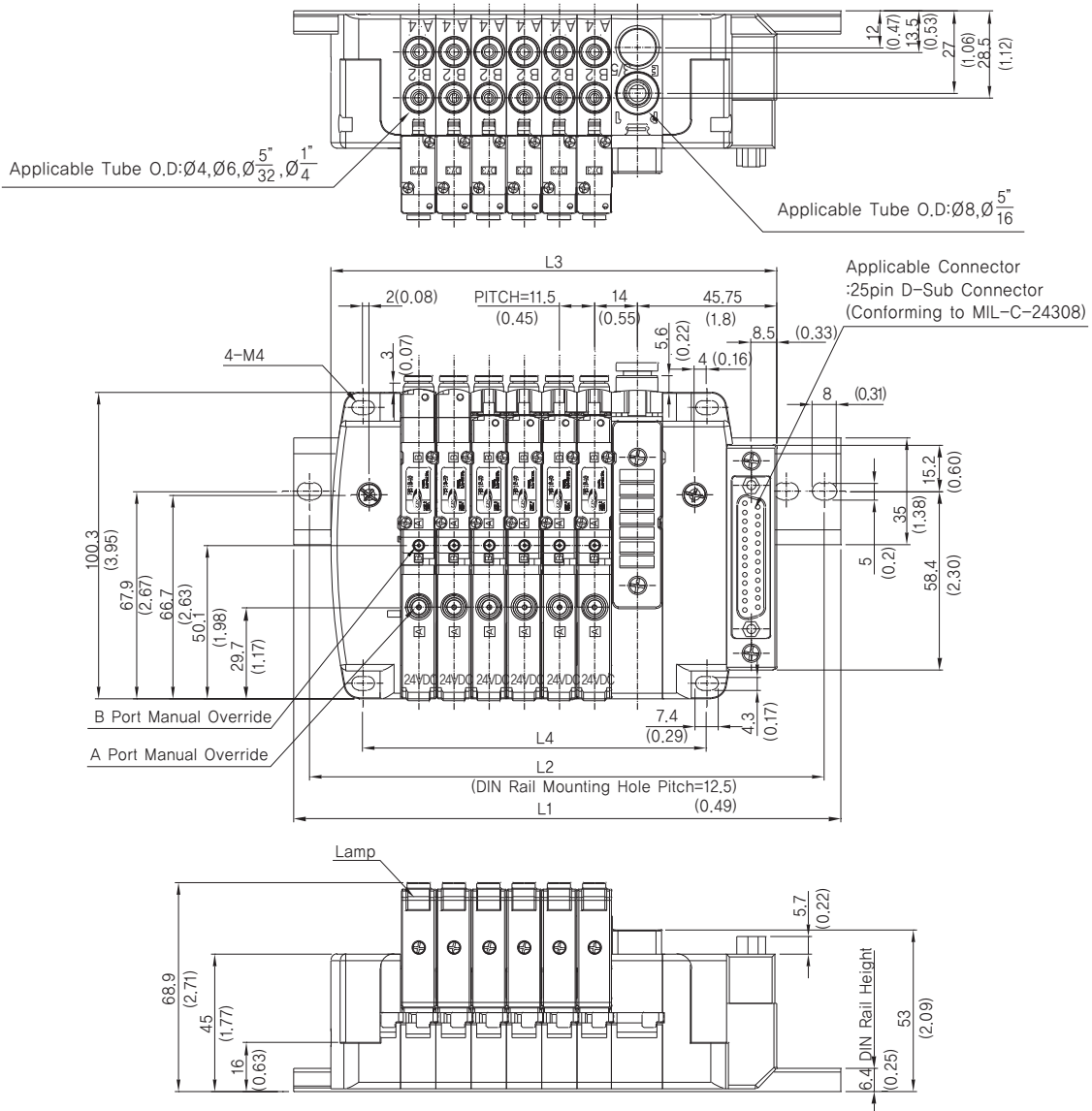


Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm			200				250				300					387.5				437.5			
	inch			7.87				9.84				11.81					15.26				17.22			
L2	mm			187.5				237.5				287.5					375				425			
	inch			7.38				9.35				11.32					14.76				16.73			
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	186.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78	13.23

Series RS 1000, 2000

RS1000 External Dimension Drawing (Built-in Silencer, D-Sub)



Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm			200				250				300					387.5				437.5			
	inch			7.87				9.84				11.81					15.26				17.22			
L2	mm			187.5				237.5				287.5					375				425			
	inch			7.38				9.35				11.32					14.76				16.73			
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	166.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78	13.23

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

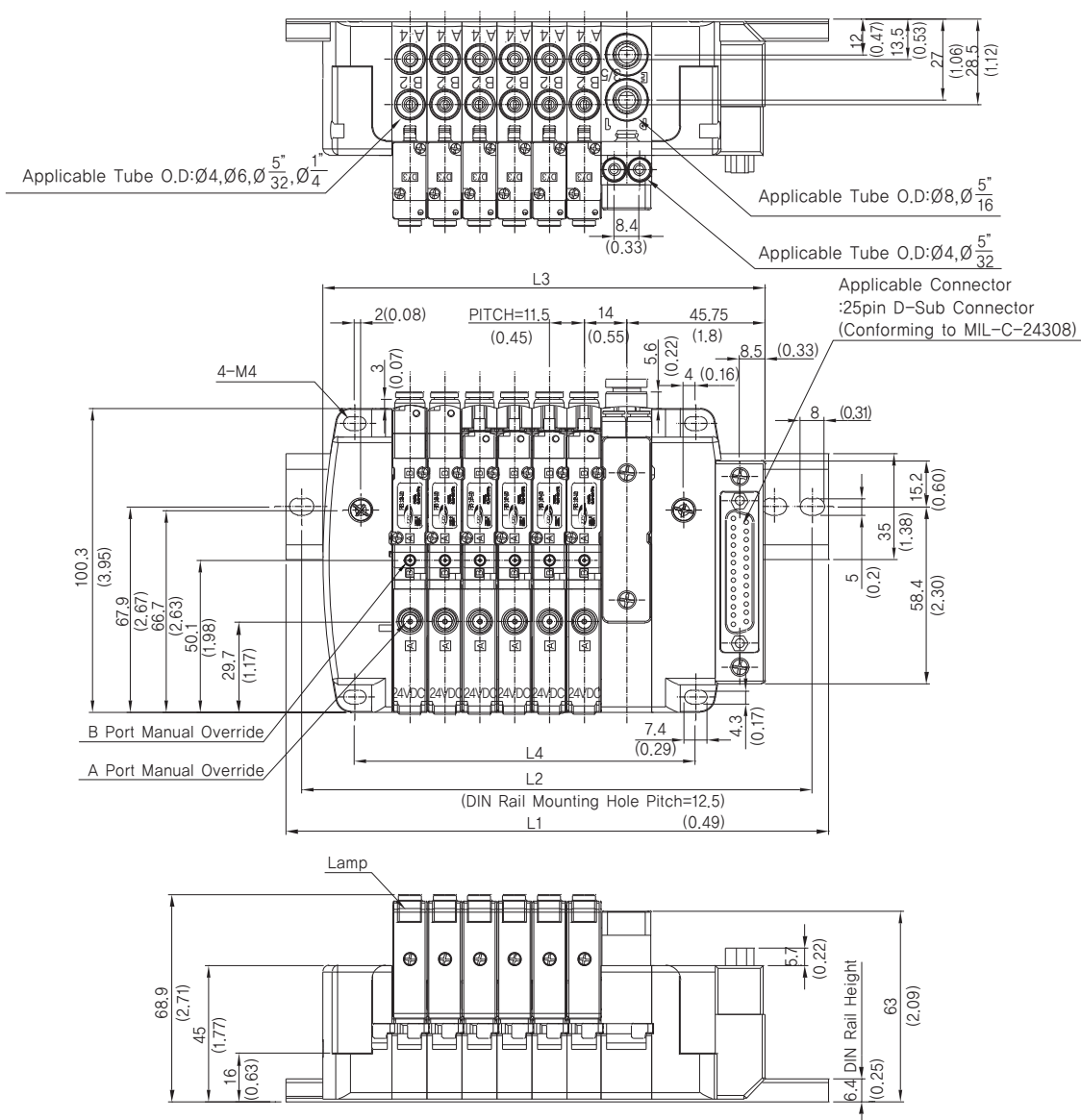
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS1000 External Dimension Drawing (External Pilot, D-Sub)

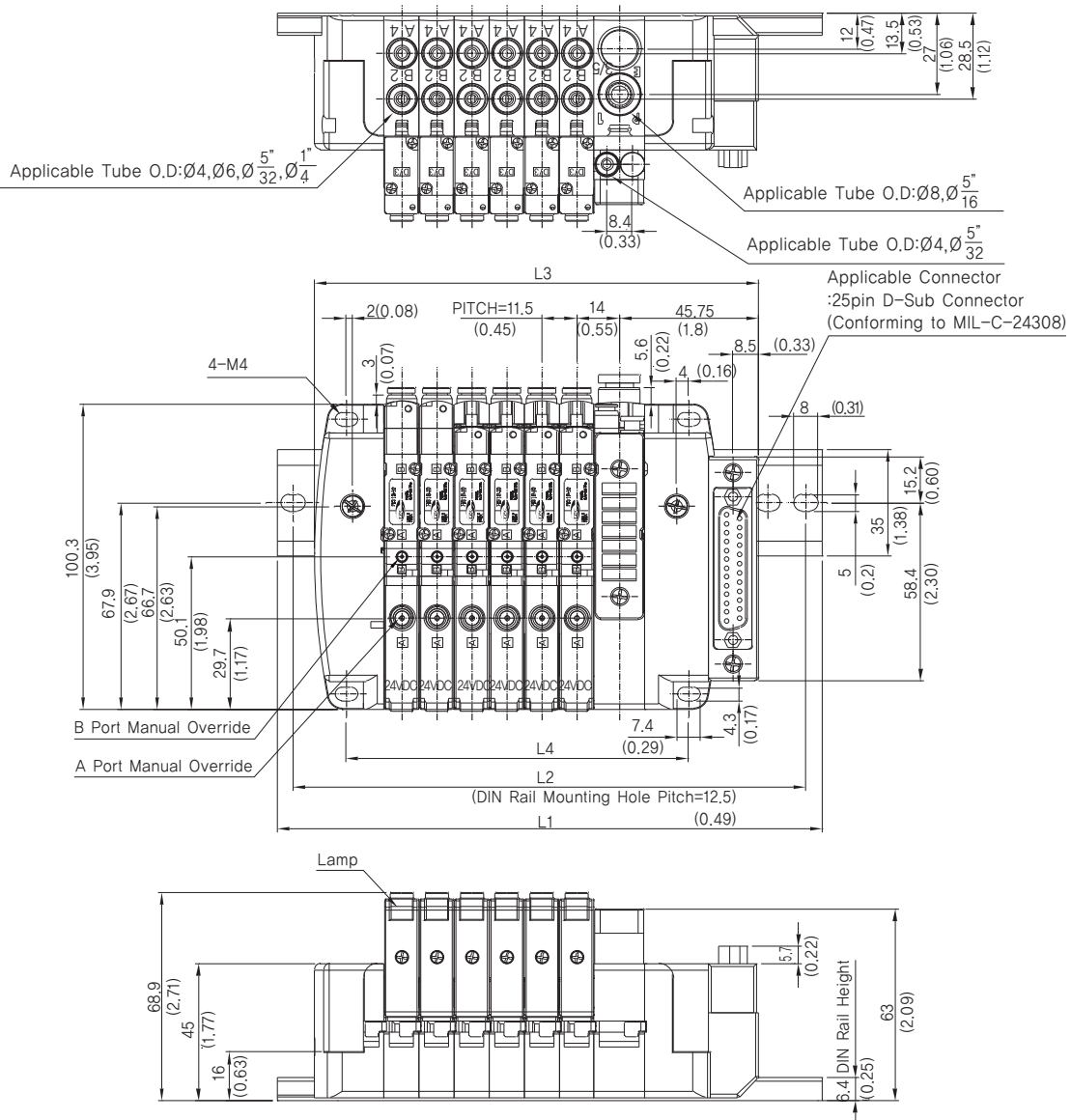


Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm			200				250				300					387.5				437.5			
	inch			7.87				9.84				11.81					15.26				17.22			
L2	mm			187.5				237.5				287.5					375				425			
	inch			7.38				9.35				11.32					14.76				16.73			
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	186.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78	13.23

Series RS 1000, 2000

RS1000 External Dimension Drawing (External Pilot, Built-in Silencer, D-Sub)



Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm			200				250				300					387.5				437.5			
	inch			7.87				9.84				11.81					15.26				17.22			
L2	mm			187.5				237.5				287.5					375				425			
	inch			7.38				9.35				11.32					14.76				16.73			
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	166.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	6.34	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

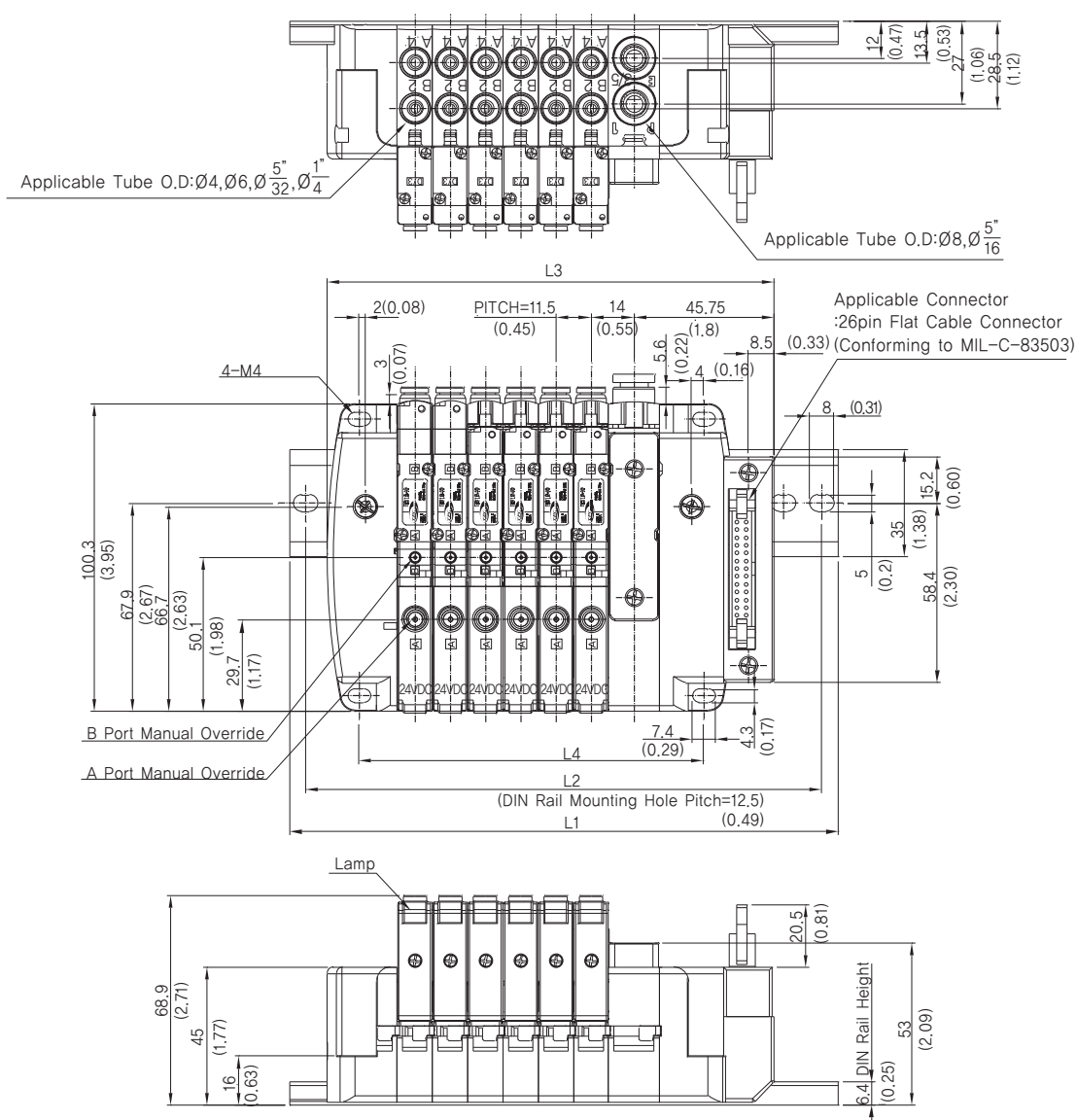
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS1000 External Dimension Drawing (Basic Type, Flat Cable)

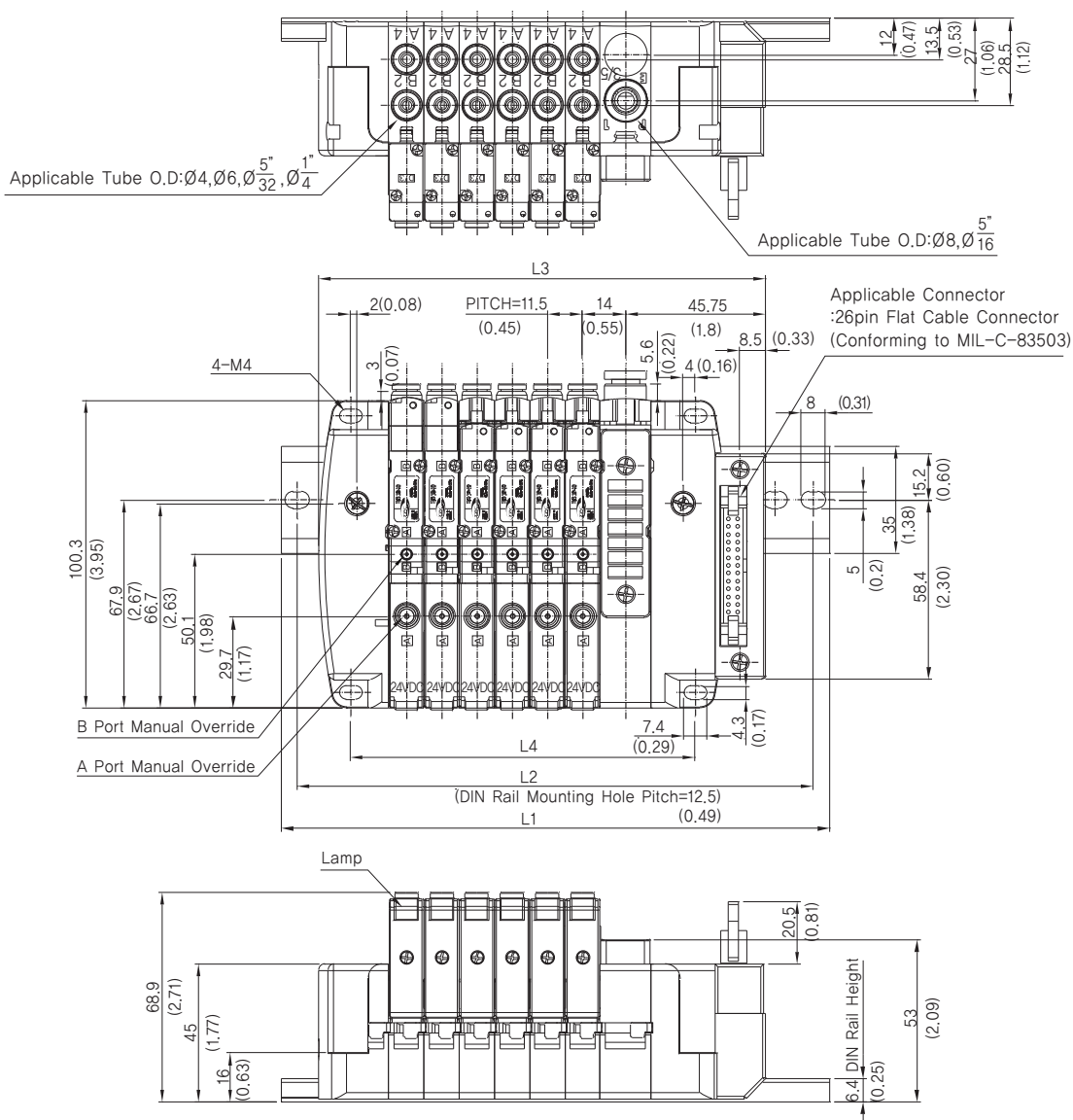


Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	mm	200					250					300					387.5					437.5			
	inch	7.87					9.84					11.81					15.26					17.22			
L2	mm	187.5					237.5					287.5					375					425			
	inch	7.38					9.35					11.32					14.76					16.73			
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5	
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55	
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	186.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336	
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78	13.23	

Series RS 1000, 2000

RS1000 External Dimension Drawing (Built-in Silencer, Flat Cable)



Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm			200				250					300					387.5				437.5		
	inch			7.87				9.84					11.81					15.26				17.22		
L2	mm			187.5				237.5					287.5					375				425		
	inch			7.38				9.35					11.32					14.76				16.73		
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	186.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78	13.23

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

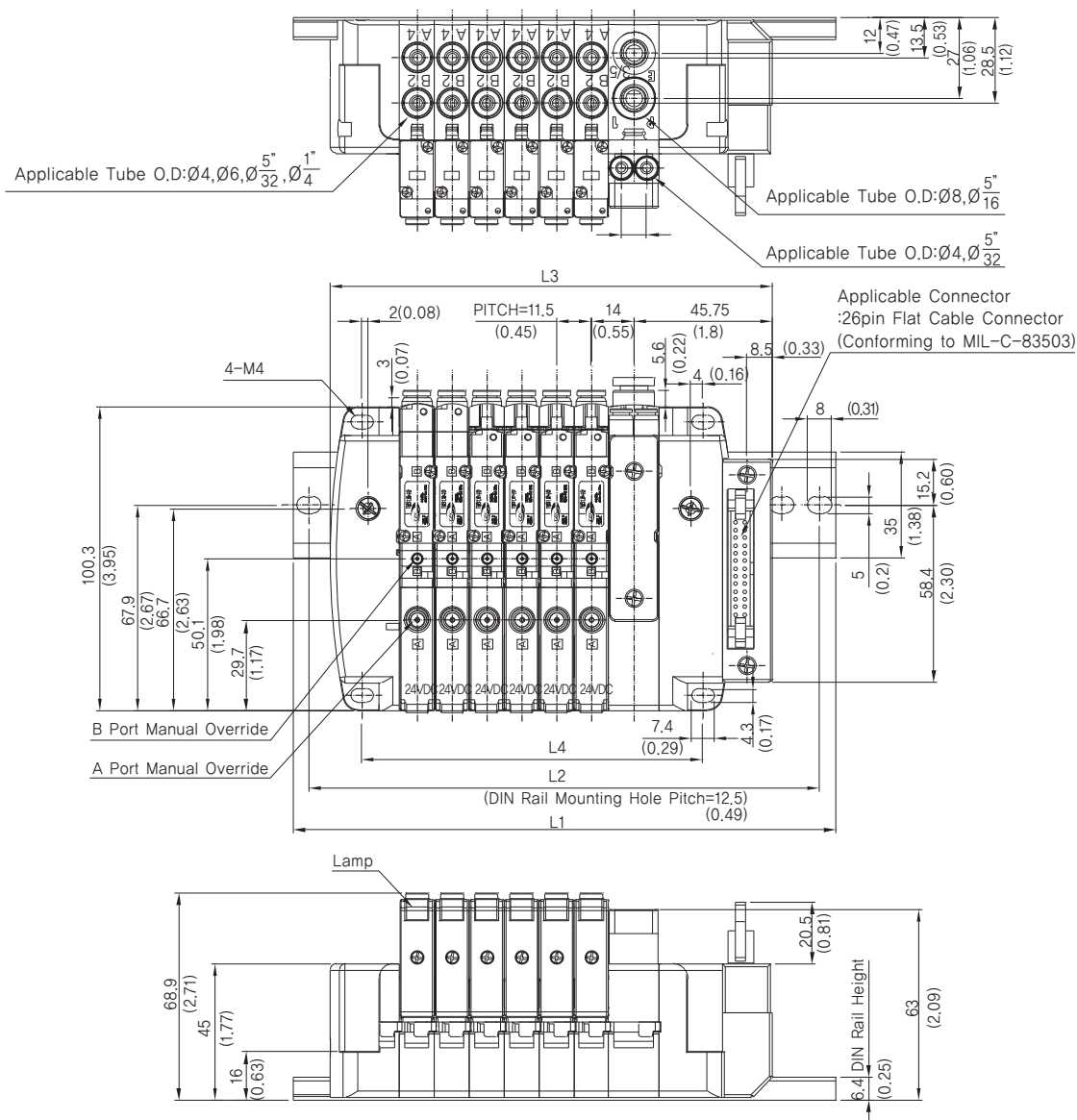
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS1000 External Dimension Drawing (External Pilot Type, Flat Cable)

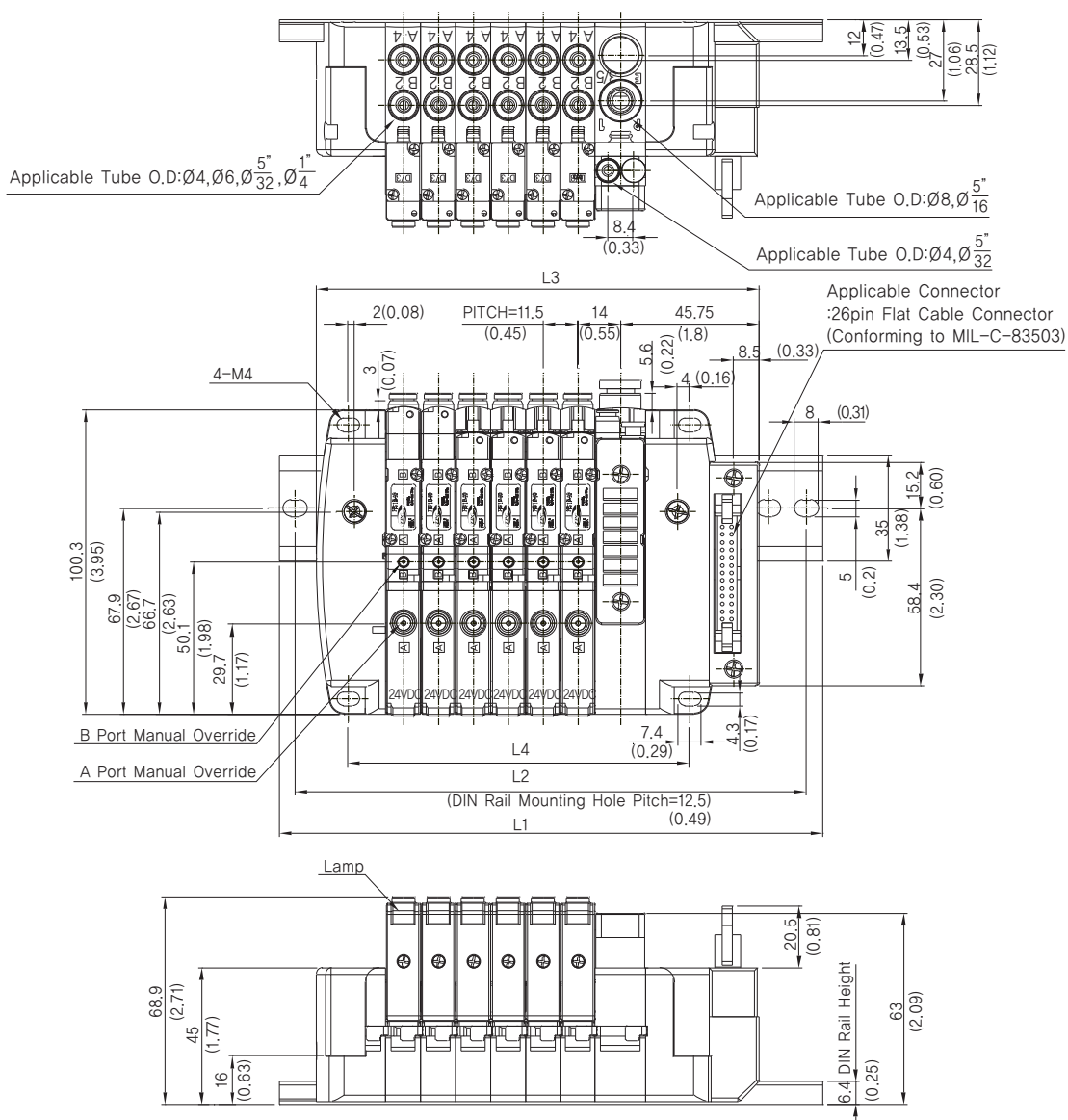


Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	mm	200					250					300					387.5					437.5			
	inch	7.87					9.84					11.81					15.26					17.22			
L2	mm	187.5					237.5					287.5					375					425			
	inch	7.38					9.35					11.32					14.76					16.73			
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5	
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55	
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	186.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336	
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78	13.23	

Series RS 1000, 2000

RS1000 External Dimension Drawing (Built-in Silencer, External Pilot Type, Flat Cable)



Dimensions

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	mm	200					250					300					387.5					437.5			
	inch	7.87					9.84					11.81					15.26					17.22			
L2	mm	187.5					237.5					287.5					375					425			
	inch	7.38					9.35					11.32					14.76					16.73			
L3	mm	100	111.5	123	134.5	146	157.5	169	180.5	192	220	231.5	243	245.5	266	277.5	289	300.5	312	323.5	335	346.5	358	369.5	
	inch	3.94	4.39	4.84	5.30	5.75	6.20	6.65	7.11	7.56	8.66	9.11	9.57	10.02	10.47	10.93	11.38	11.83	12.28	12.74	13.19	13.64	14.09	14.55	
L4	mm	66.5	78	89.5	101	112.5	124	135.5	147	158.5	186.5	198	209.5	221	232.5	244	255.5	267	278.5	290	301.5	313	324.5	336	
	inch	2.62	3.07	3.52	3.98	4.43	4.88	5.33	5.79	6.24	7.34	7.80	8.25	8.70	9.15	9.61	10.06	10.51	10.96	11.42	11.87	12.32	12.78	13.23	

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1.DX2

DX1(2)R

DH

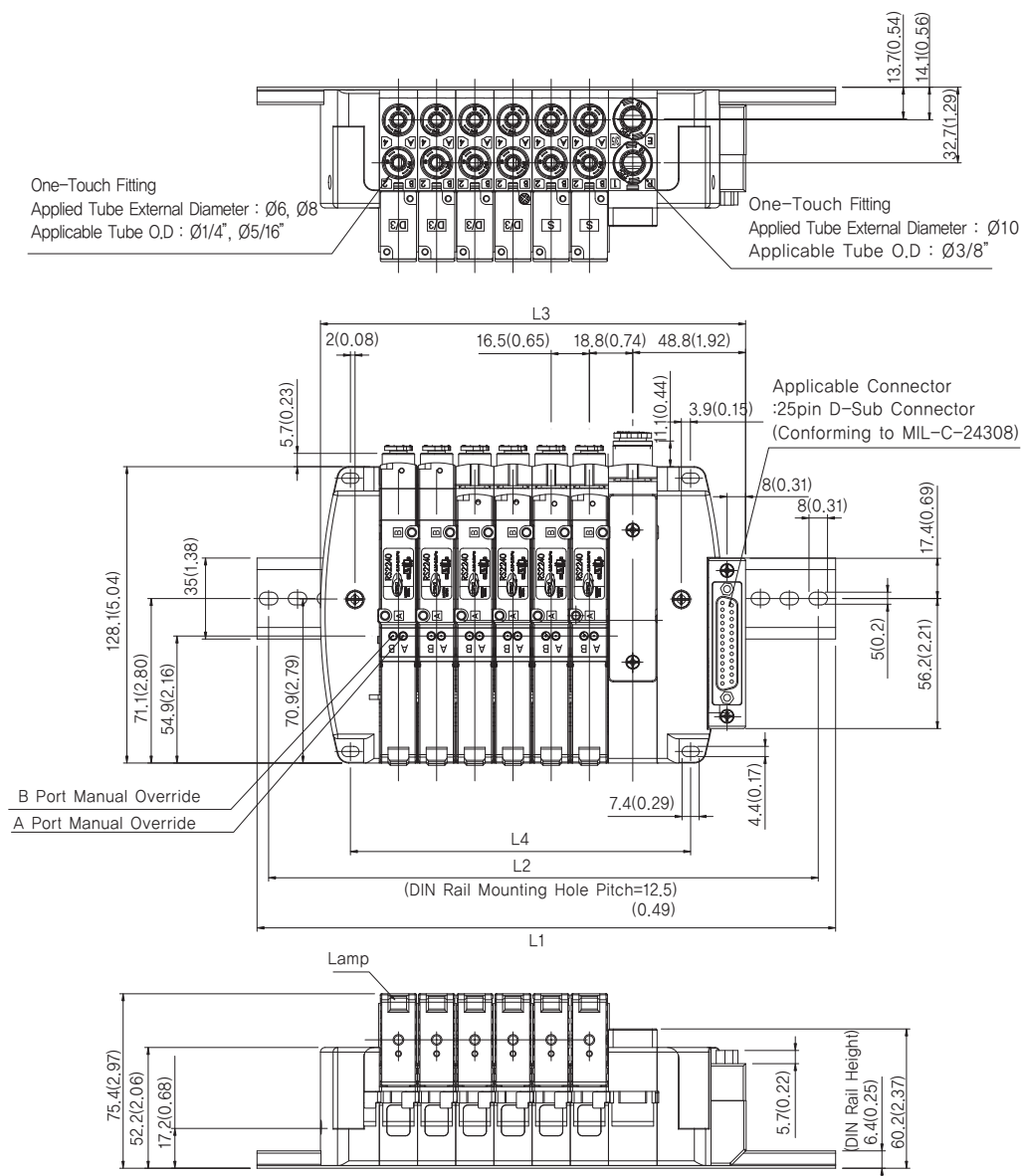
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS2000 External Dimension Drawing (External Pilot Type, Flat Cable)



Dimensions

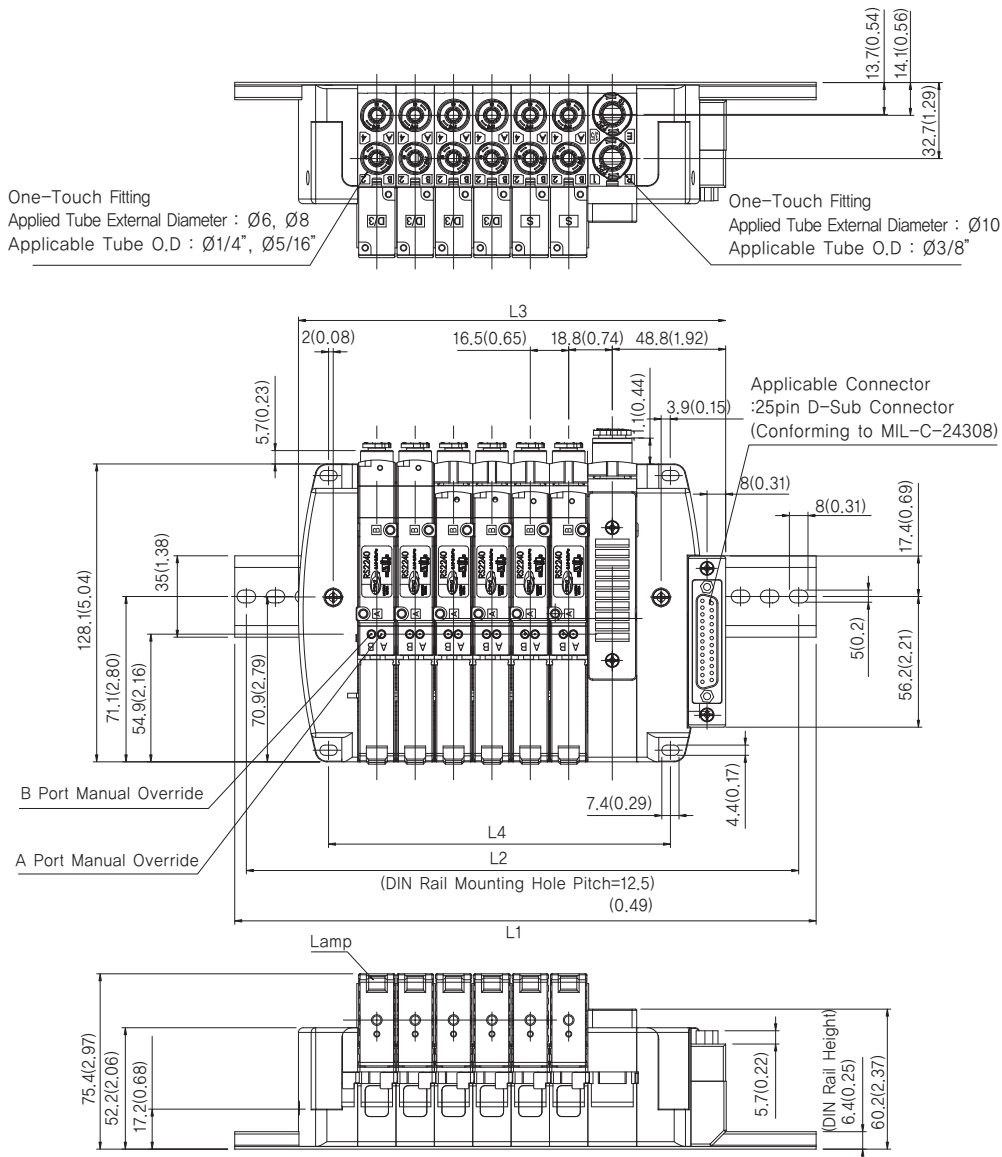
Units : mm(inch)

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm	250				300				400				500				587						
	inch	9.84				11.81				15.7				19.7				23.1						
L2	mm	237.5				287.5				387.5				487.5				574.5						
	inch	9.35				11.3				15.2				19.2				22.6						
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	481.7
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	10.48	11.13	11.78	12.43	13.08	13.73	14.38	15.03	15.68	16.33	16.98	17.63	18.28	18.93
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	230	246.5	263	279.5	296	312.5	329	345.5	362	378.5	395	411.5	428	444.5
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.34	10.99	11.64	12.29	12.94	13.59	14.24	14.89	15.54	16.19	16.84	17.49

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

Series RS 1000, 2000

RS2000 External Dimension Drawing(External Pilot Type, Flat Cable)



Dimensions

Units : mm(inch)

L		n																							
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	mm	250				300				400				500				587							
	inch	9.84				11.81				15.7				19.7				23.1							
L2	mm	237.5				287.5				387.5				487.5				574.5							
	inch	9.35				11.3				15.2				19.2				22.6							
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	481.7	498.2
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	10.48	11.13	11.78	12.43	13.08	13.73	14.38	15.03	15.68	16.33	16.98	17.63	18.28	18.93	19.57
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	229.5	246	262.5	279	295.5	312	328.5	345	361.5	378	394.5	411	427.5	444	460.5
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.34	10.99	11.64	12.29	12.94	13.59	14.24	14.89	15.54	16.19	16.84	17.49	18.14

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

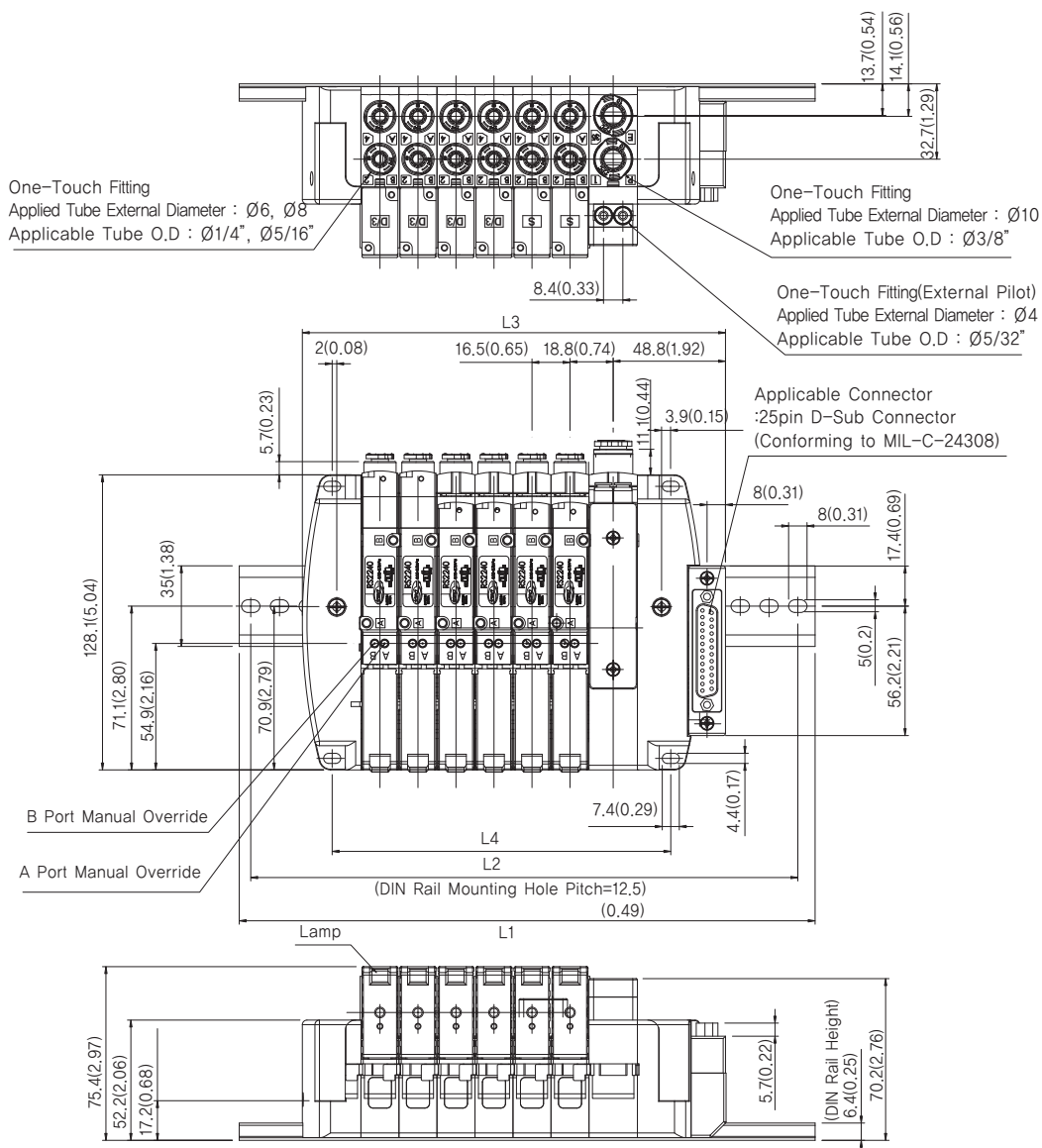
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS2000 External Dimension Drawing (External Pilot Type, Flat Cable)



Dimensions

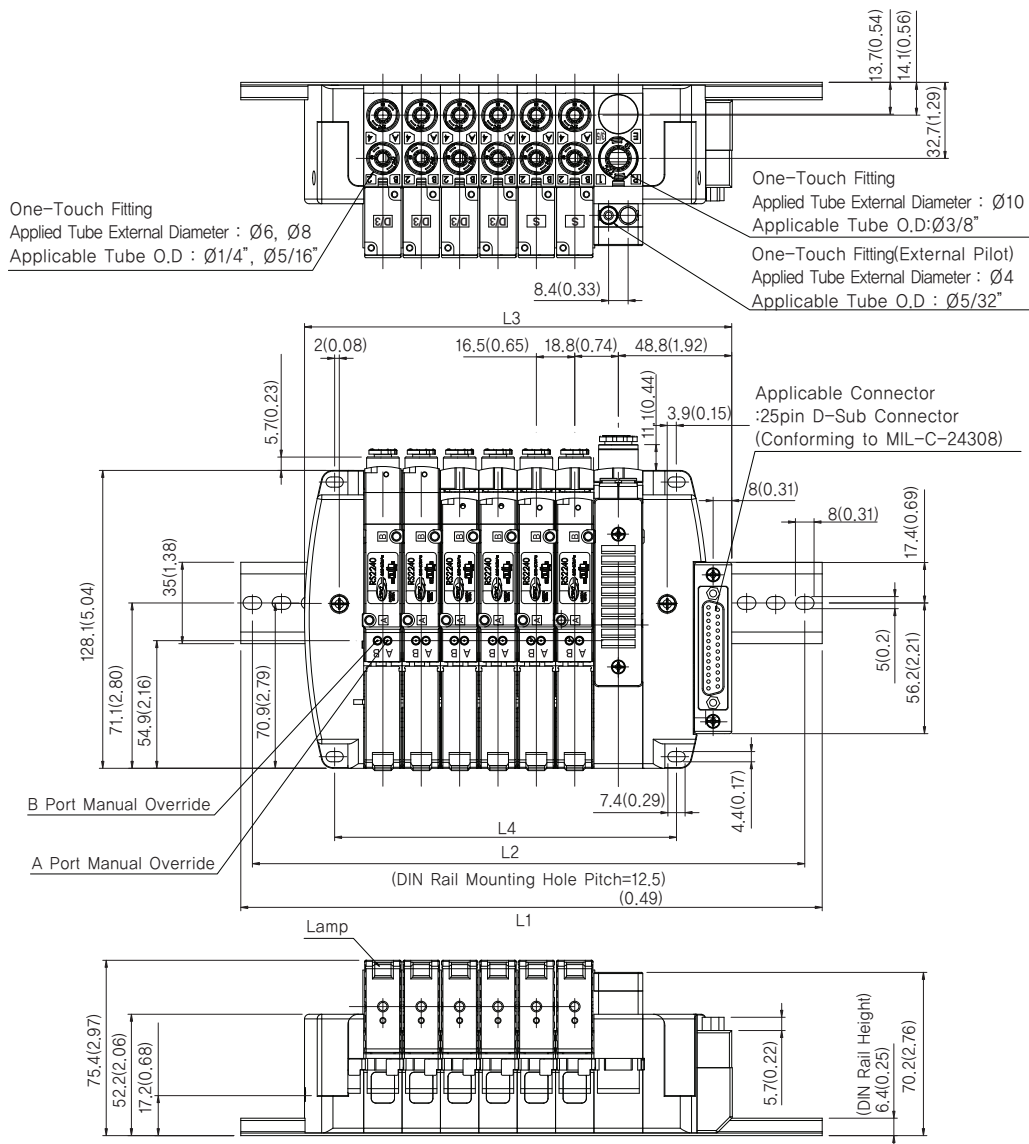
Units : mm(inch)

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	mm	250					300					400					500					587			
	inch	9.84					11.81					15.7					19.7					23.1			
L2	mm	237.5					287.5					387.5					487.5					574.5			
	inch	9.35					11.3					15.2					19.2					22.6			
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	481.7	498.2
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	10.48	11.13	11.78	12.43	13.08	13.73	14.38	15.03	15.68	16.33	16.98	17.63	18.28	18.93	19.58
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	229.5	246	262.5	279	295.5	312	328.5	345	361.5	378	394.5	411	427.5	444	460.5
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.34	10.99	11.64	12.29	12.94	13.59	14.24	14.89	15.54	16.19	16.84	17.49	18.14

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

Series RS 1000, 2000

RS2000 (External Pilot type, Flat Cable)



Dimensions

Units : mm(inch)

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm	250					300					400					500					587		
	inch	9.84					11.81					15.7					19.7					23.1		
L2	mm	237.5					287.5					387.5					487.5					574.5		
	inch	9.35					11.3					15.2					19.2					22.6		
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	481.7
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	10.48	11.13	11.78	12.43	13.08	13.73	14.38	15.03	15.68	16.33	16.98	17.63	18.28	18.93
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	229.5	246	262.5	279	295.5	312	328.5	345	361.5	378	394.5	411	427.5	444
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.34	10.99	11.64	12.29	12.94	13.59	14.24	14.89	15.54	16.19	16.84	17.49

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

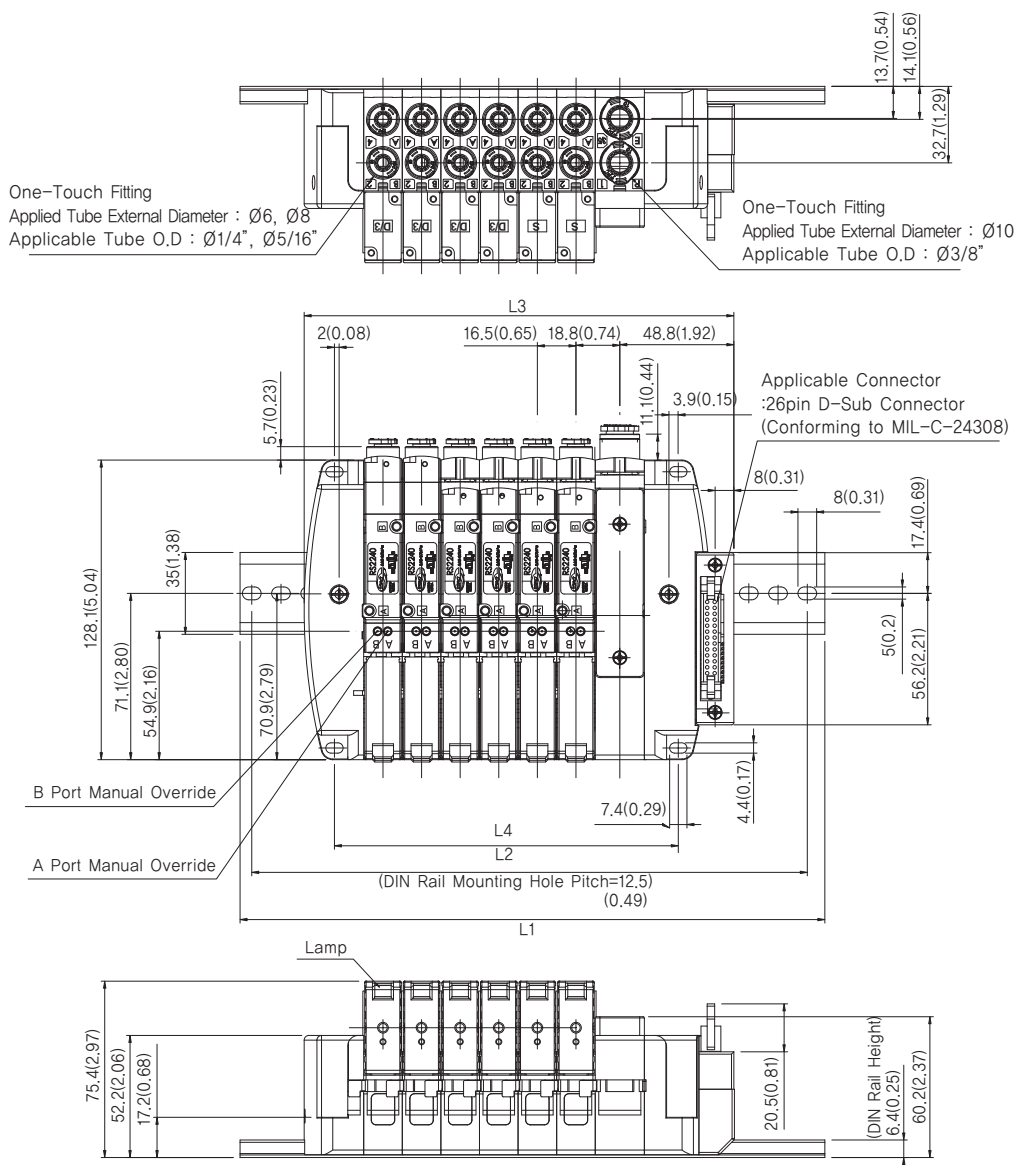
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS2000 External Dimension Drawing (External Pilot Type, Flat Cable)



Dimensions

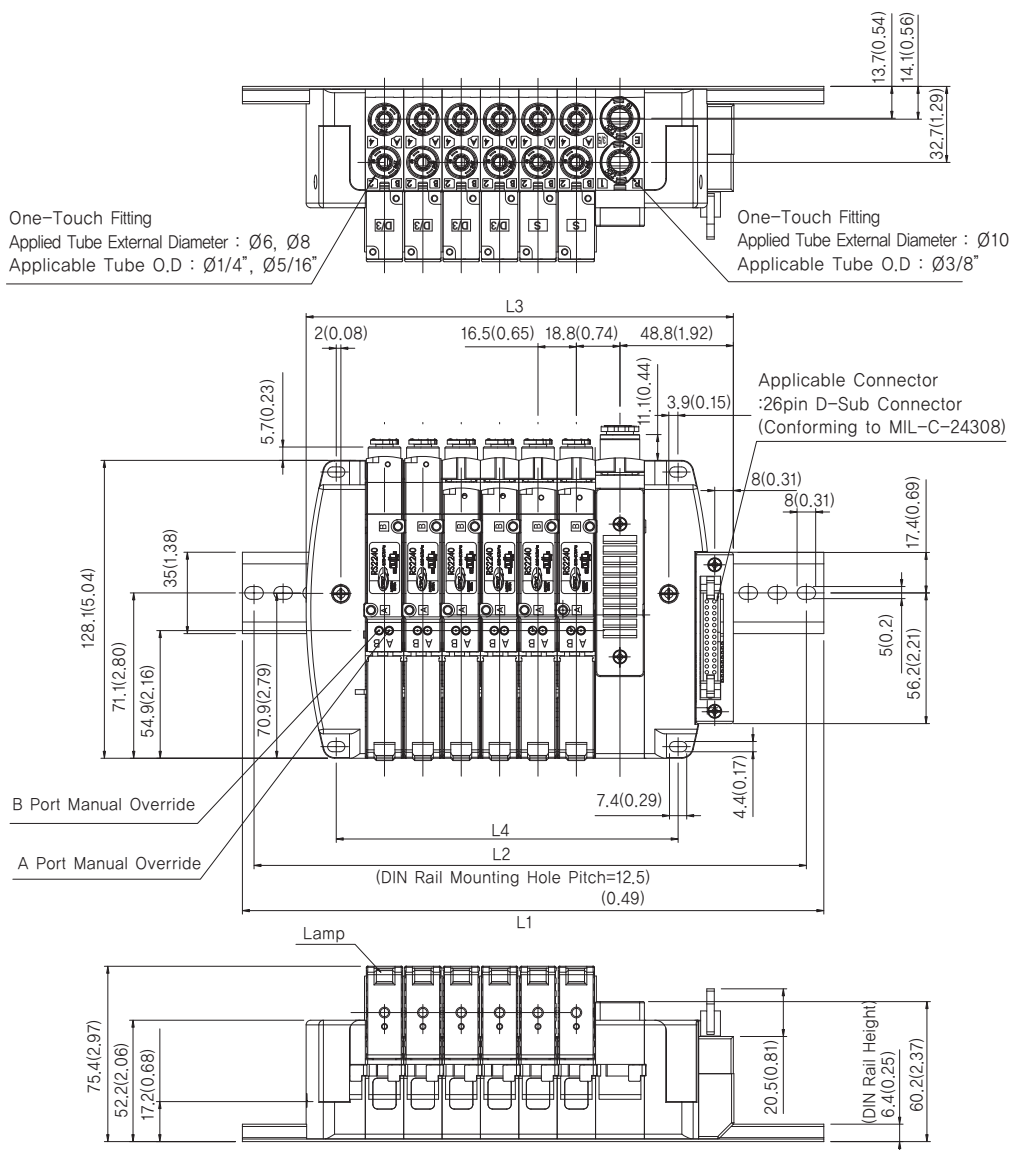
Units : mm(inch)

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm	250					300					400					500					587		
	inch	9.84					11.81					15.7					19.7					23.1		
L2	mm	237.5					287.5					387.5					487.5					574.5		
	inch	9.35					11.3					15.2					19.2					22.6		
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	481.7
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	10.48	11.13	11.78	12.43	13.08	13.73	14.38	15.03	15.68	16.33	16.98	17.63	18.28	18.93
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	229.5	246	262.5	279	295.5	312	328.5	345	361.5	378	394.5	411	427.5	444
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.34	10.99	11.64	12.29	12.94	13.59	14.24	14.89	15.54	16.19	16.84	17.49

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

Series RS 1000, 2000

RS2000 External Dimension Drawing (External Pilot Type, Flat Cable)



Dimensions

Units : mm(inch)

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	mm	250					300					400					500					587			
	inch	9.84					11.81					15.7					19.7					23.1			
L2	mm	237.5					287.5					387.5					487.5					574.5			
	inch	9.35					11.3					15.2					19.2					22.6			
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	501.7	
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	11.3	11.95	12.6	13.25	13.9	14.55	15.2	15.85	16.5	17.15	17.8	18.45	19.1	19.75	
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	250.5	267	283.5	300	316.5	333	349.5	366	382.5	399	415.5	432	448.5	465	
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.86	10.51	11.16	11.81	12.46	13.11	13.76	14.4	15.06	15.7	16.36	17	17.66	18.3	

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

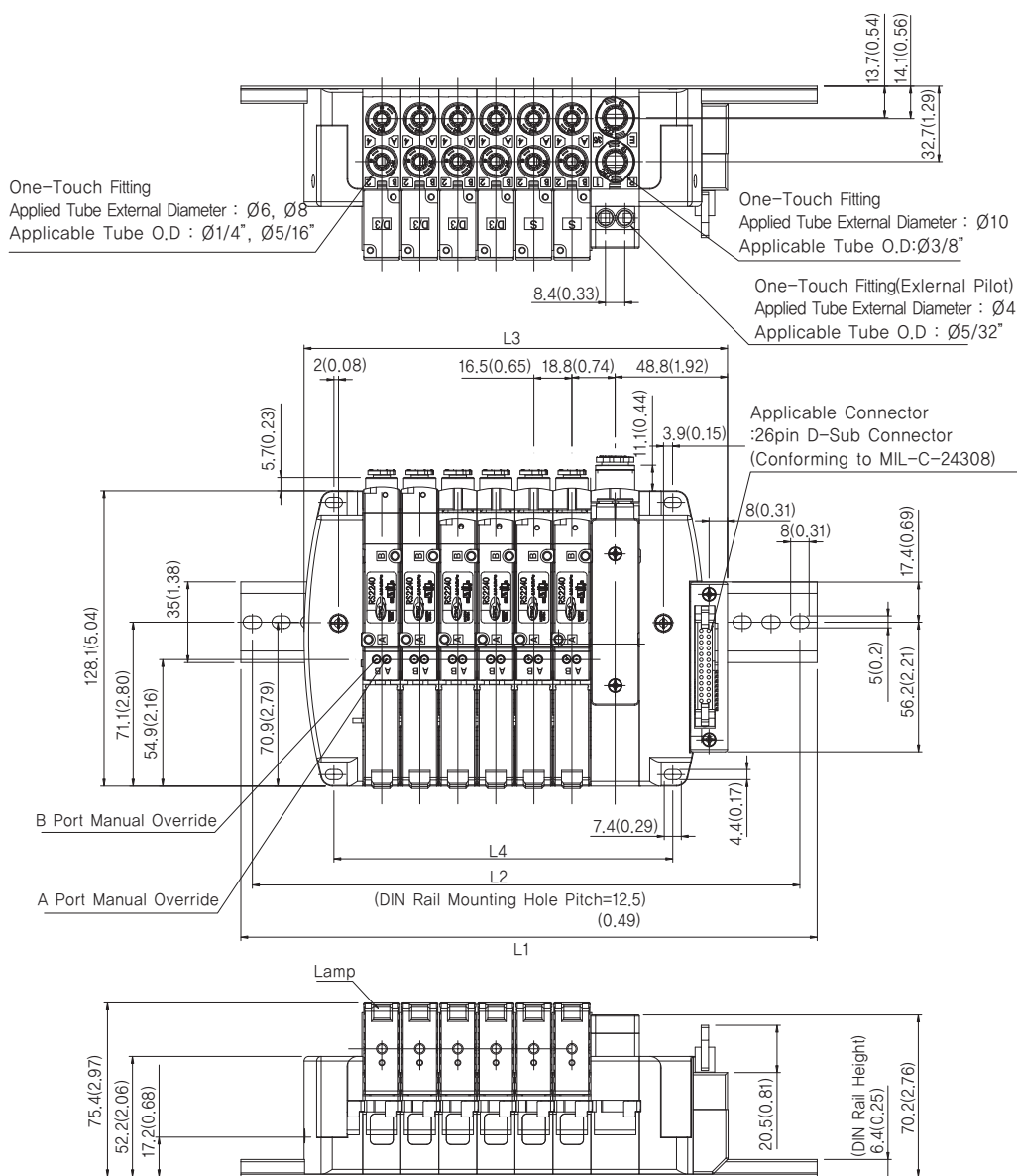
DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

RS2000 External Dimension Drawing (External Pilot Type, Flat Cable)



Dimensions

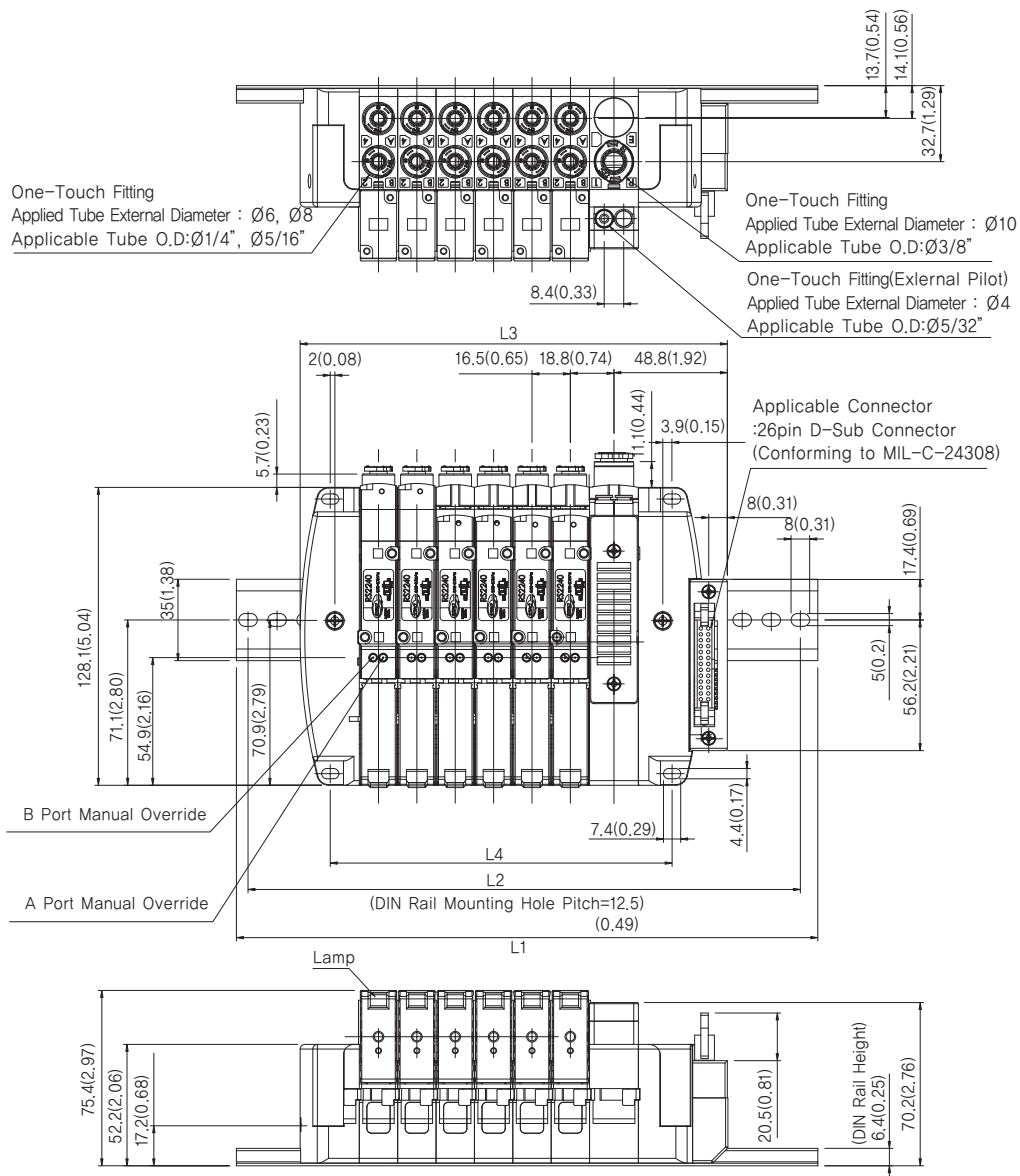
Units : mm(inch)

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
L1	mm	250					300					400					500					587		
	inch	9.84					11.81					15.7					19.7					23.1		
L2	mm	237.5					287.5					387.5					487.5					574.5		
	inch	9.35					11.3					15.2					19.2					22.6		
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	481.7
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	10.48	11.13	11.78	12.43	13.08	13.73	14.38	15.03	15.68	16.33	16.98	17.63	18.28	18.93
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	229.5	246	262.5	279	295.5	312	328.5	345	361.5	378	394.5	411	427.5	444
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.34	10.99	11.64	12.29	12.94	13.59	14.24	14.89	15.54	16.19	16.84	17.49

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

Series RS 1000, 2000

RS2000 External Dimension Drawing(External Pilot Type, Flat Cable)



Dimensions

Units : mm(inch)

L	n	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	
L1	mm	250					300					400					500					587			
	inch	9.84					11.81					15.7					19.7					23.1			
L2	mm	237.5					287.5					387.5					487.5					574.5			
	inch	9.35					11.3					15.2					19.2					22.6			
L3	mm	117.7	134.2	150.7	167.2	183.7	200.2	216.7	233.2	249.7	267.2	283.7	300.2	316.7	333.2	349.7	366.2	382.7	399.2	415.7	432.2	448.7	465.2	481.7	498.2
	inch	4.63	5.28	5.93	6.58	7.23	7.88	8.53	9.18	9.83	10.48	11.13	11.78	12.43	13.08	13.73	14.38	15.03	15.68	16.33	16.98	17.63	18.28	18.93	
L4	mm	81	97.5	114	130.5	147	163.5	180	196.5	213	229.5	246	262.5	279	295.5	312	328.5	345	361.5	378	394.5	411	427.5	444	460.5
	inch	3.19	3.84	4.49	5.14	5.79	6.44	7.09	7.74	8.39	9.04	9.69	10.34	10.99	11.64	12.29	12.94	13.59	14.24	14.89	15.54	16.19	16.84	17.49	

Note 1) In case N-connection is additionally installed at Sup/Exh Block, L3 and L4 need to add 21 (0.83) X N from the dimension above.

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

Notice for RS1000 Plug In Valve Utilization

Please fully understand the contents herein, and check details along relevant types for notices along each series.

Notices Along Products (1-1)

⚠ Danger

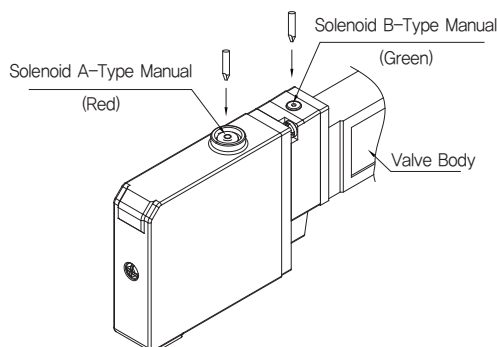
[Basic Contents for Users]

- 1) There is possible damage to the product, do not bend a product with excessive load under fully assembled condition.
- 2) In order to prevent malfunctioning of valve, implement inspection after shutting down pressure and power for increasing/decreasing valve.

⚠ Notice

[Manual Control of Non-Lock Push Method]

- 1) In application of tools such as screwdriver, softly press manual button up/down.
- 2) If pressing and releasing the button, manual mode is returned to automatic mode.
- 3) In case of pressing manual with an angle, it may cause damage or breakdown.



⚠ Warning

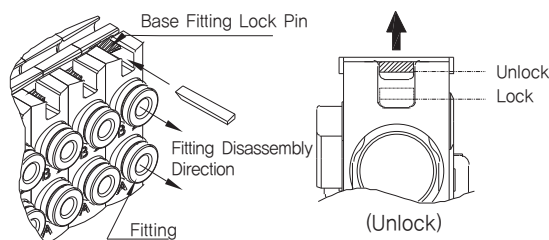
- 1) In case of replacing fittings, please carry out after checking pressure removal.
 - 2) Be cautious if releasing fitting lock pin, A and B fittings are disassembled.
 - 3) Long period continual power supply
 - ① In case of long period continual power supply to electric valve, it can cause performance of electric valve or vicinity equipments owing to temperature elevation of coil.
 - ② In case of long period continual power supply of electric valve with attaching in control panel or insulated space, please make heat-prevention measure within applicable temperature range of valve.
- * In case of long period continual power supply for electric valve of close 3-connection or more in the same manifold, be cautious as temperature can increase.

⚠ Notice

[Fitting Replacement Method]

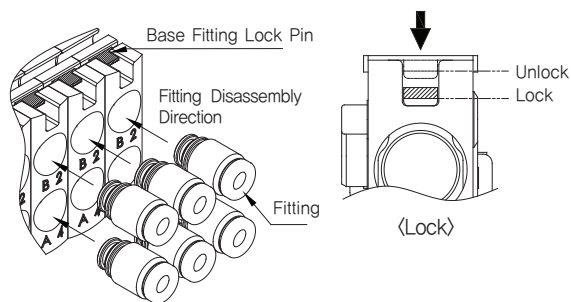
- Disassembly -

- 1) Lift base fitting lock pin with a tool like flat-head screwdriver without excessive force using leverage effect till disassemble status.
- 2) After removing lock pink, gradually add force on fittings to extract to forward direction.
- 3) Be cautious not to miss fittings from abrupt disassembly.



- Assembly -

- 1) After fully inserting a fitting in A and B port under disassembly status, locate lock pin into lock-status.
- 2) Be cautious that if lock pin is not fully locked, lock pin is possibly damaged or disassembled.



[In case of Tube installation]

- 1) Fully and slowly insert tube into fitting.
- 2) Check if tube is extracted by light-pulling after installation of tube.
- 3) Cut torn or overlapped part of tube for proper utilization if any. (It may cause leakage.)

Series RS 1000, 2000

Notice for RS1000 Plug In Valve Utilization

Please fully understand the contents herein, and check details along relevant types for notices along each series.

Notices Along Products (1-2)

⚠ Danger

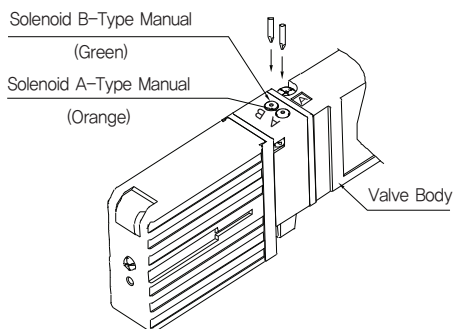
[Basic Contents for Users]

- 1) There is possible damage to the product, do not bend a product with excessive load under fully assembled condition.
- 2) In order to prevent malfunctioning of valve, implement inspection after shutting down pressure and power for increasing/decreasing valve.

⚠ Notice

[Manual Control of Non-Lock Push Method]

- 1) In application of tools such as screwdriver, softly press manual button up/down.
- 2) If pressing and releasing a button, manual mode is returned to automatic mode.
- 3) In case of pressing manual with an angle, it may cause damage or breakaway.



⚠ Warning

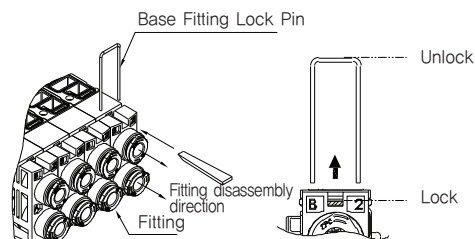
- 1) In case of replacing fittings, please carry out after checking pressure removal.
 - 2) Be cautious if releasing fitting lock pin, A and B fittings are disassembled.
 - 3) Long period continual power supply
 - ① In case of long period continual power supply to electric valve, it can possibly bring effect to performance of the electric valve or vicinity equipments owing to temperature elevation of coil.
 - ② In case of long period continual power supply of electric valve with attaching in control panel or insulated space, please make heat-prevention measure within applicable temperature range of valve.
- * In case of long period continual power supply for electric valve of close 3-connection or more in the same manifold, be cautious for dramatic temperature increasing.

⚠ Notice

[Fitting Replacement Method]

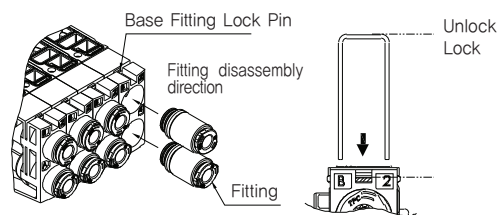
- Disassembly -

- 1) Possible to replace fittings with valve installed status for single, double and dual valve.
- 2) Fitting replacement available for 3-position valve after removing valve
- 3) Lift base fitting lock pin with a tool like flat-head screwdriver without excessive force using leverage effect till disassemble status.
- 4) After removing lock pink, gradually add force on fittings to extract to forward direction.
- 5) Be cautious not to miss fittings from abrupt disassembly.



- Assembly -

- 1) After fully inserting a fitting in A and B port under disassembly status, locate lock pin into lock-status.
- 2) Be cautious that if lock pin is not fully locked, lock pin is possibly damaged or disassembled.



[In case of Tube installation]

- 1) Fully and slowly insert tube into fitting.
- 2) Check if tube is extracted by light-pulling after installation of tube.
- 3) Cut torn or overlapped part of tube for proper utilization if any. (It may cause leakage.)

DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

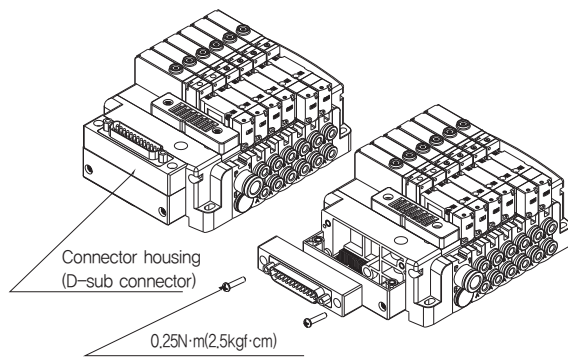
Notice for RS1000 & RS2000 Plug In Valve Utilization

Notices Along Products (2)

⚠ Notice

[Notices for Connector Extracting Direction Change]

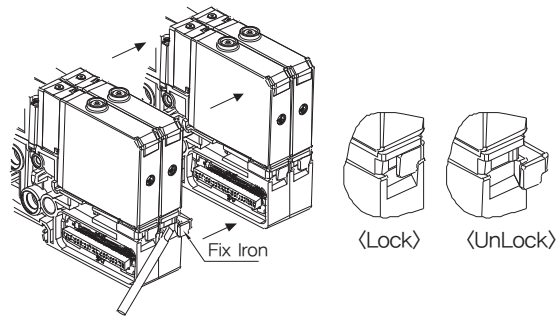
- 1) Horizontal or vertical attaching is available for extracting direction of D-sub and Flat cable connector for disassembly/assembly of connector housing. (But, assemble with proper torque for screw connecting)
- 2) In case of assembly of connector housing, overlap of lead wire may cause disconnection during assembly. Connect with screw after checking lead wire settled inside.
- 3) If excessively pulling D-sub or flat cable connector housing after disassembly, it may cause connection failure owing to extraction of internal connector.



⚠ Notice

[Assembly/Disassembly of Valve Block]

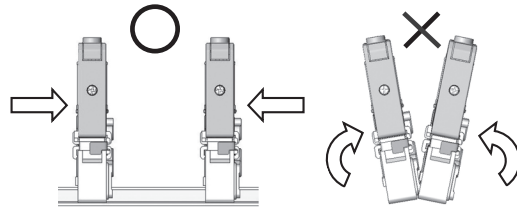
- 1) In case of valve block increase/decrease, bracket should be located in releasing status.
- 2) Bracket is disassembled using leverage effect with inserting fittings like flat-head screwdriver into base home.
- 3) It is released in maximum without applying excessive force on bracket.
- 4) Be cautious, if excessive external force is applied to bracket, it may cause bending or damage.
- 5) Easy disassembly is available if fitting face is opened under released condition of bracket. (But, if it is forced to be disassembled with excessive force, it may cause damage to products.)
- 6) In case of valve block assembly, bracket of assembly target block and its counter-block should be located at disassembly location. (If bracket is located at assembly status, it does not allow assembly, and excessive assembly may cause bending of bracket, which deters assembly)
- 7) Prior to assembly of block, check attachment condition of passage part O-ring and gasket, and locate each passage part and wiring connector horizontally adjusted.
- 8) In case of valve block increase/decrease, it should be assembled or disassembled with Din-rail or tie rod attached condition. In case of rail or tie rod not existed, wiring connector connection is properly made only if valve block is assembled or disassembled with laying on flat floor.
- 9) In order to prevent connection failure of wiring connector, check assembly status additionally.
- 10) Pull bracket till it is fully locked for fixing after attachment. (Unstable block attachment may cause imperfect assembly of bracket, so that pull bracket after complete attachment)



⚠ Warning

[Valve Block Assembly Method]

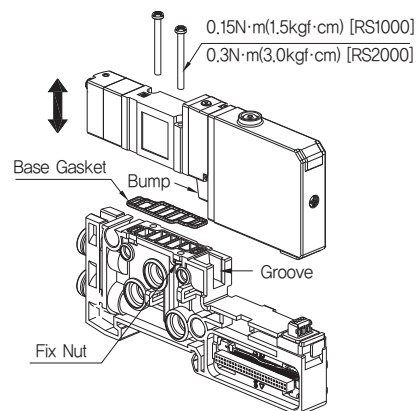
- 1) Assembly must be executed with Din-rail or tie rod attached condition for valve block assembly. In case Din-rail or tie rod does not exist, assemble valve block with laying on flat floor which makes assembly surface horizontal and applying certain degree of force on both hands.
- 2) Improper assembly method may cause damage of connector and connection failure.



⚠ Notice

[Assembly/Disassembly of Valve]

- 1) Valve replacement is available with valve block assembled condition.
- 2) Carry out valve after checking gasket settled status and fixing nut of base.
- 3) Insert bump of valve into groove of base in advance during valve assembly. (Only if bump and groove are coincident, power supply connector and mount screw locations are coincident)
- 4) Assemble mount screw of valve at a base with proper torque. (Power connector is automatically connected by screw assembly)



Series RS 1000, 2000

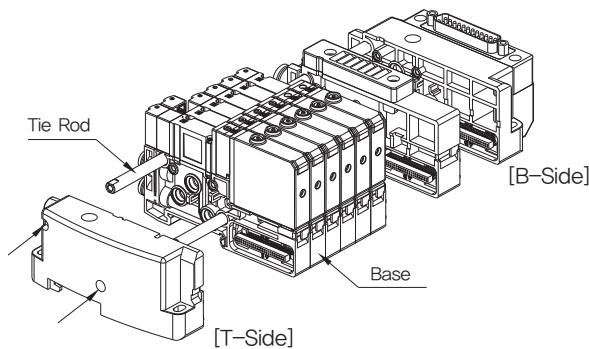
Notice for RS1000 & RS2000 Plug In Valve Utilization

Notice Along Products (3)

⚠ Notice

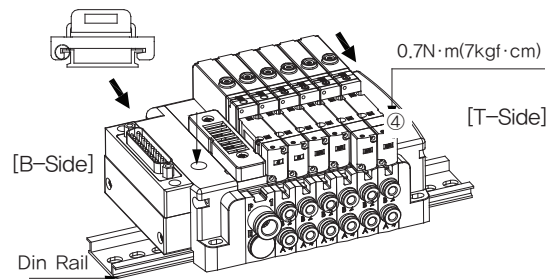
[Assembly/Disassembly of Tie Rod Type]

- 1) Use in case failure of installation by installation in severe vibration or multi-connection is used.
- 2) Tie rod suitable for target connection of increase/decrease of valve should be applied.
- 3) In case of base disassembly, disassemble valve block after disassembly of screw of T-side screws (2EA).

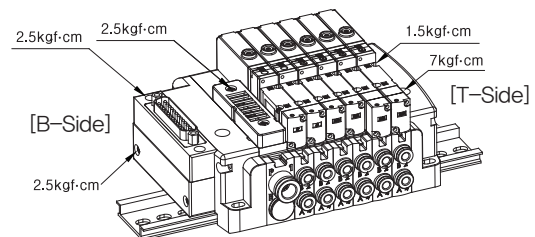


[Connecting to TB-Side Cover]

- 1) Use Din rail stopper of T and B-side covers to fix Din rail.
- 2) Since Din rail stopper is possibly assembled unstable as it is shown in a figure below, please connect screw with pulling the cover into arrow direction along the sequence.
- 3) If valve block is not properly assembled or disassembled under Din rail fixed condition, please carry out assembly/disassembly of block after disassembly of Din rail.



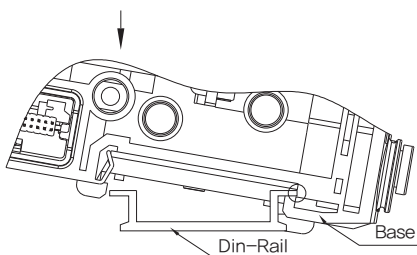
[Screw Proper Connection Torque]



[Din-Rail Type Connection]

- 1) It is easy to increase/decrease and attachment of Din rail.
- 2) Please connect Din rail base in application of leverage effect based on lower groove of base.
- 3) Disassemble in the opposite sequence of assembly.

(In Case of Base Connection)



DW

DR100

DR200

RS1000,
2000

RS4000

SI UNIT

DV1000
DV3000
DV4000

DS300

DS3000

DS5000

DS2000

DS6000

DX1,DX2

DX1(2)R

DH

DP300
DP3000
DP5000

DM

DT220

Series RS 1000, 2000

Notice for RS1000 & RS2000 Plug In Valve Utilization

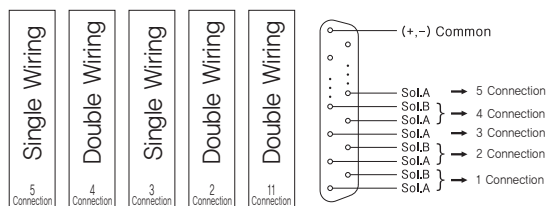
Notice Along Products (4)

 Notice

[Wiring]

- 1) This product is available for maximum 24 points in case of using D-sub (25 pin) and flat cable (26 pin), and also possible for (+) and (-) Common.
- 2) Available for single and double wiring under the same base, and it is designed for double wiring as a base and possible to replace to single wiring.
- 3) Single wiring is used for over 13-connection. In case internal wire of base is single, only single valve installation is available, and in case of double wire, all types of valve installation including single valve are available.
- 4) In case of inserting single wire into middle connection number, be cautious that contact point sequence on D-sub or flat cable is possibly changed.

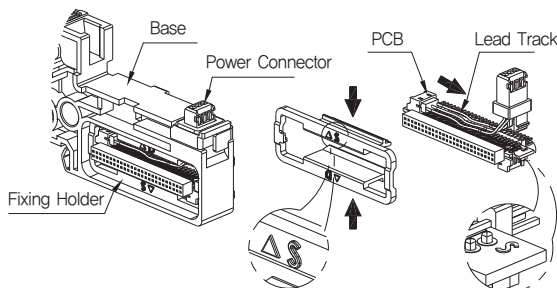
(Ex)



Warning

[Replacement to Single Wire]

- 1) Single wiring is set only when control point is not sufficient during valve control.
- 2) Disassembly from base with pressing PCB fixing holder.
- 3) Please disassemble power connector without applying excessive force to lead track, PCB and connector after disassembly of PCB.
(Applying excessive force may cause damage to lead track)
- 4) Assemble to base with connecting lead track connector of "S" face and carefully inserting header pin directing to inside.
- 5) Assemble under the condition which "S" of fixing holder shows upward.



[Piping]

- 1) In case of lack of supply or generation of back-pressure, it is possible to resolve with increment of Sup/Exh block.
- 2) It is possible to add Sup/Exh block without limitation, however, it should be cautious for the length of tie rod or Din rail.
- 3) In case of using a number of blocks, it is less effective to use the same main supply line, so that it is recommended to use additional supply line.

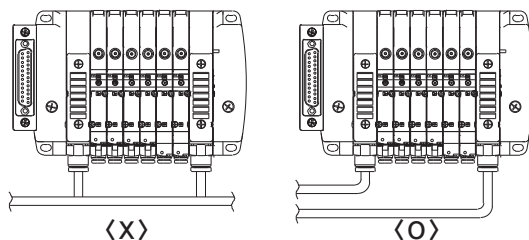


Table for Line Colors Along D-Sub Connector Terminal Number

Terminal Number	Lead Track Color	Terminal Number	Lead Track Color
1	Black	14	Green, Yellow Line
2	Black, White Line	15	Green, White Line
3	Brown	16	Blue
4	Brown, White Line	17	Blue, Yellow Line
5	Red	18	Blue, White Line
6	Red, Yellow Line	19	Violet
7	Red, White Line	20	Violet, White Line
8	Pink	21	Gray
9	Pink, White Line	22	Gray, Red Line
10	Yellow	23	White
11	Yellow, Red Line	24	White, Red Line
12	Yellow, Blue Line	25	White, Blue Line
13	Green		