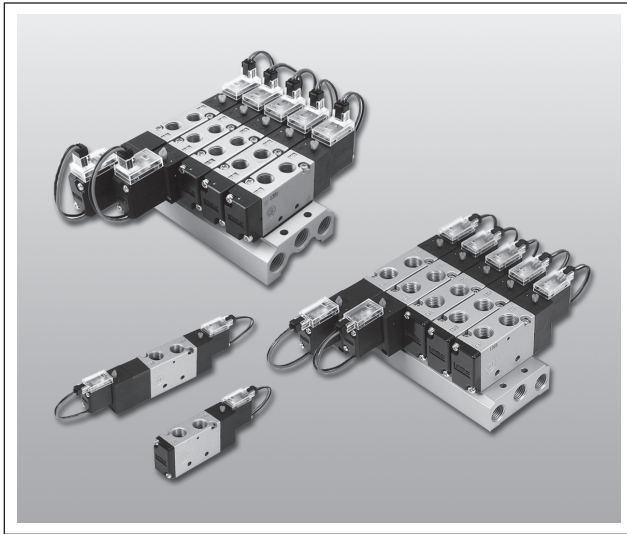


Directional control – SK series Body Ported Solenoid Valve

SK500, SK600, SK800 Solenoid valve

CHELIC



Provide CAD external dimension.

With indicator light and voltage protection circuit.

SRM

SRVB

SF

SR

SRB

SM

SMB

SRK

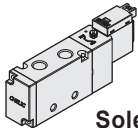
SZBC

SK

SV

SNK

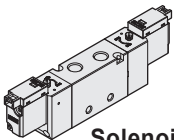
SN



Solenoid valve single coil ----- **SK - 500 series** --- **Rc 1/8** ----- **P.2-1.193**
(5 port 2-position)

SK - 600 series --- **Rc 1/8, Rc 1/4** ----- **P.2-1.197**

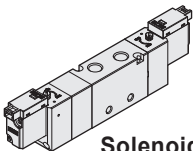
SK - 800 series --- **Rc 1/4, Rc 3/8** ----- **P.2-1.201**



Solenoid valve double coils ----- **SK - 500 series** --- **Rc 1/8** ----- **P.2-1.194**
(5 port 2-position)

SK - 600 series --- **Rc 1/8, Rc 1/4** ----- **P.2-1.198**

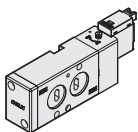
SK - 800 series --- **Rc 1/4, Rc 3/8** ----- **P.2-1.202**



Solenoid valve double coils ----- **SK - 500 series** --- **Rc 1/8** ----- **P.2-1.195**
(5 port 3-position)

SK - 600 series --- **Rc 1/8, Rc 1/4** ----- **P.2-1.199**

SK - 800 series --- **Rc 1/4, Rc 3/8** ----- **P.2-1.203**



Solenoid valve side hole ----- **SNK - 600 series** -- **Rc 1/4** ----- **P.2-1.215**
(5 port 2-position)

SNK - 800 series -- **Rc 3/8** ----- **P.2-1.216**

SN - 800 series ----- **P.2-1.217**



General Cautions for SK Solenoid Valve series

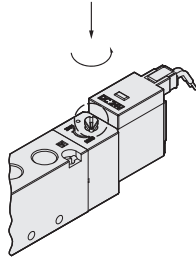
CHELIC



Please read the safety notice carefully before using and pay attention to the safety caution for this series of products.

Operation and Instruction for manual for manual override

- Press down manual button to rotate the switching position so that solenoid valve on the lock status.



- The purpose of pressing the manual button is to provide manual test or test run adjustment. It is not for normal use.

- Must be check the lock status if it has been lifted. Manually button must be at **Push** position that it can be normal used for electronic control.



AV220V Solenoid Coil

WARNING: Electrification, High temperature and Instruction

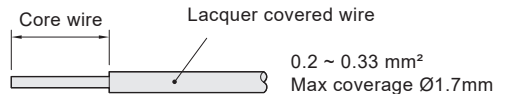
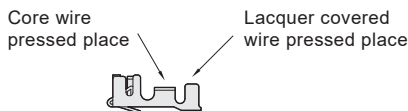
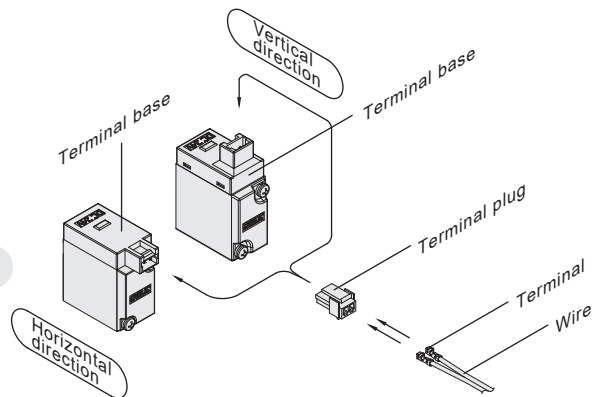
- SK solenoid coil with built-in rectifying circuit and electrified indicator light, with specification of AC220V, the built-in circuit is heated when electrified with high surface temperature (It is within safety range, Don't worry), Please avoid touching it.

Sage surge voltage protection circuit

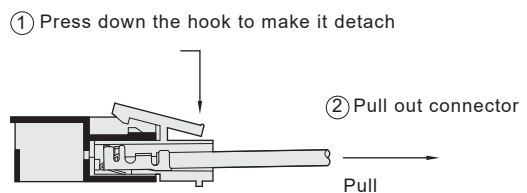
DC 12V	Below ± 0.1 mA
DC 24V	Below ± 0.1 mA
AC 110V	Below ± 0.1 mA
AC 220V	Below ± 0.1 mA

Method and description of the selection of terminal board

- (1) Direction (Horizontal & Vertical)
- (2) Terminal and Wire (Pressed)
- (3) Terminal and Press chain (Device positioning)



- (4) Press chain and Socket (Pressed and Pulled)



- Note: It will cause connector and coil damaged because of pulling out connector by wrong way.

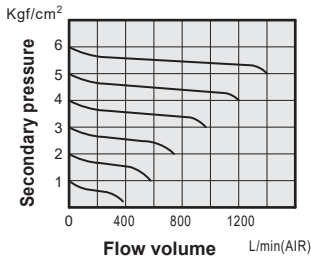
SK series Body Ported Solenoid Valve

Flow rate and applicable cylinder

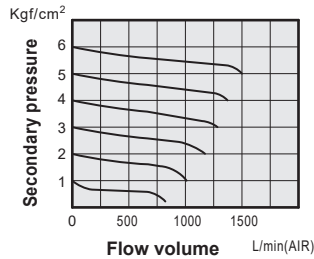
CHELIC

Flow rate characteristics

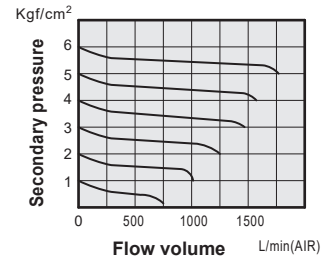
SK 500 series



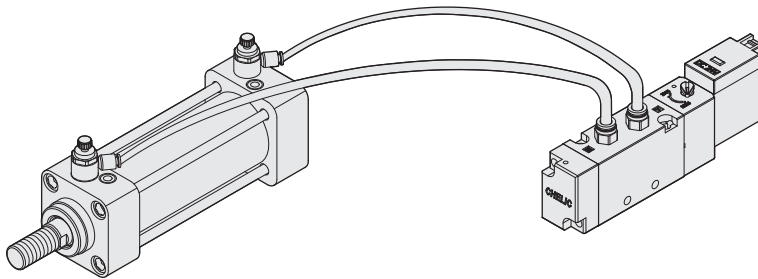
SK 600 series



SK 800 series



Applicable cylinder (Reference)



Max. driving speed of the cylinder (Length of piping: 1m, Port size: Ø8)

(Port size : Ø10)

Model	CV value	Cylinder speed mm/s	SDA • DB • FDA series						DMB • DN • DU series					
			Ø12	Ø16	Ø20	Ø25	Ø32	Ø40	Ø40	Ø50	Ø63	Ø80	Ø100	Ø125
SK500	0.67	150												
		300												
		450												
		600												
		750												
		900												
SK600	0.78	150												
		300												
		450												
		600												
		750												
		900												
SK800	1.0	150												
		300												
		450												
		600												
		750												
		900												

SRM

SRVB

SF

SR

SRB

SM

SMB

SRK

SZBC

SK

SV

SNK

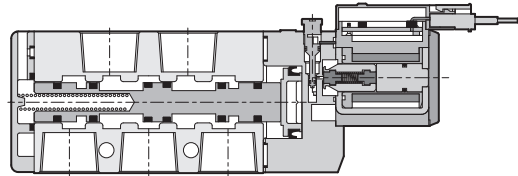
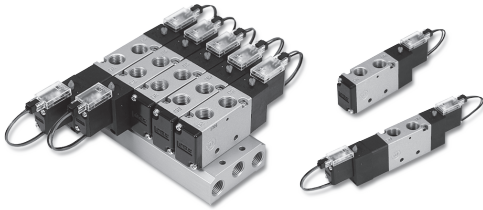
SN

SK 500, 600, 800 series Body Ported Solenoid Valve

Product features/ Code of order

CHELIC

Internal structure

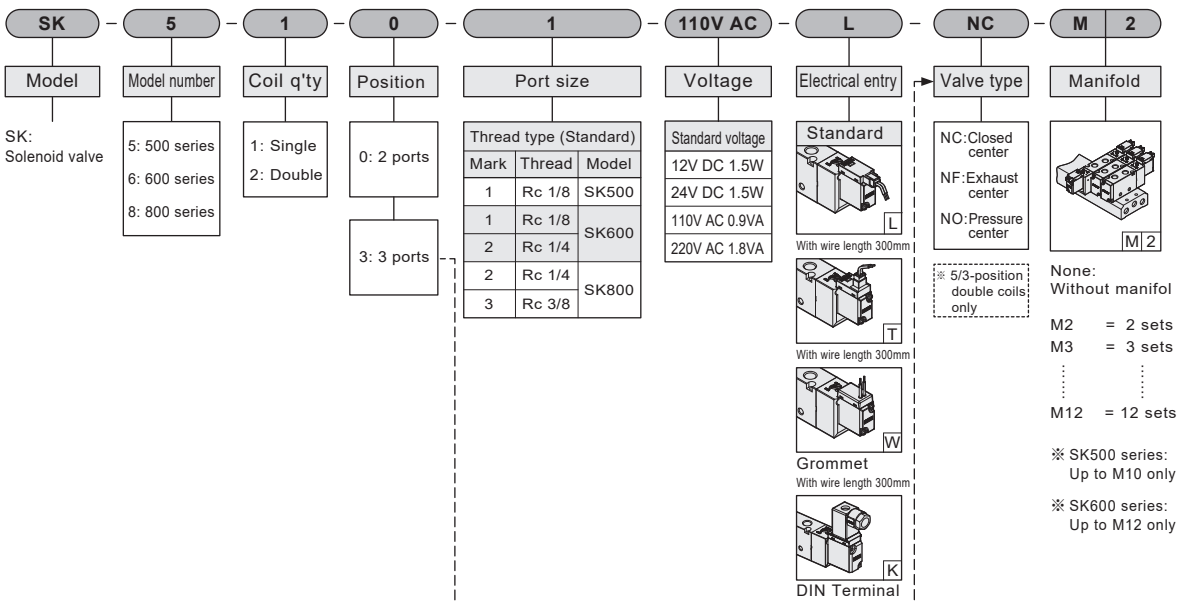


Specification

Item	Model	SK-5101	SK-5231	SK-6101(2)	SK-6231	SK-8102(3)	SK-8232	
		SK-5201		SK-6202(2)	SK-6232	SK-8202(3)	SK-8233	
Fluid	Air							
Pressure range	kgf/cm ² (kPa)	1.5 ~ 7 (150 ~ 700)						
Ambient and fluid temperature	°C	5 ~ 60						
Pilot type	Air operated							
Number of positions		5/2-position	5/3-position	5/2-position	5/3-position	5/2-position	5/3-position	
Type of actuation	Normally closed							
Effective orifice	mm ² (CV)	12 (0.67)		14 (0.78)		25 (1.4)		
Manual override	Push and lock							
Port size		Rc 1/8		Rc 1/8, Rc 1/4		Rc 1/4, Rc 3/8		
Lubrication	Lubrication free type							

※ We can accept order NPT products.

Code of order



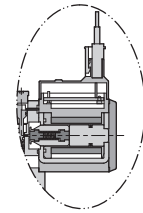
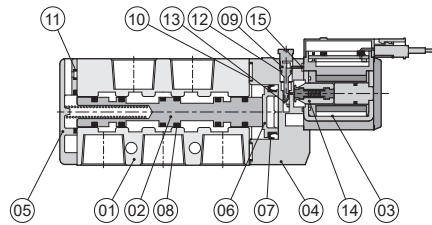
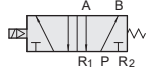
SK 500, 600, 800 series Body Ported Solenoid Valve

Product features

CHELIC

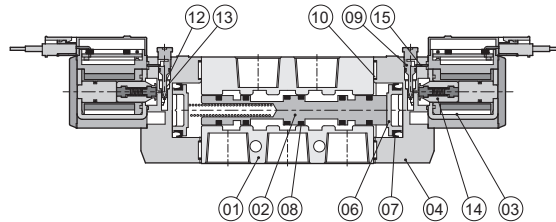
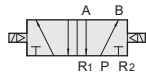
Internal structure

- 5 port 2-position single

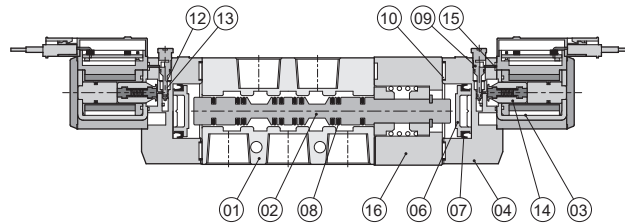
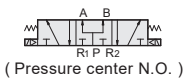
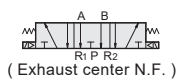
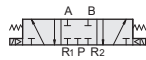


- T wire type - T

- 5 port 2-position double



- 5 port 3-position double



Components and Material list

NO.	Item	Material	NO.	Item	Material
01	Body	Aluminum alloy	09	Manual override	POM
02	Shaft	Aluminum alloy	10	Holder O-ring	NBR
03	Coil	Copper	11	Rear cover O-Ring	NBR
04	Holder	POM	12	Manual override O-ring	NBR
05	Rear cover	POM	13	Manual override spring	Stainless steel
06	Holder piston	POM	14	Spring bushing	Stainless steel
07	Holder piston packing	NBR	15	Position iron plate	Iron
08	Spool packing	NBR	16	Mechanical holder	Aluminum alloy

Note : The main body treated with painting.

Packing and O-ring material list

Item	Holder piston packing	Rear cover packing	Manual rod O-Ring	Coil insert bushing O-ring
Model / Quantity	1	1	1	1
SK 500	—	—	∅2.4x0.8 · ∅0.5x0.6	—
SK 600	MYA-14	∅2×∅1.5	∅2.4x0.8 · ∅0.5x0.6	∅17.5x∅1.5
SK 800	MYA-18	∅2×∅1.5	∅2.4x0.8 · ∅0.5x0.6	∅19.5x∅1.5

Note: Piston packing and rod packing all adopt import parts (MITSUBISHI, SAKAGAH, and same grade)

SRM

SRVB

SF

SR

SRB

SM

SMB

SRK

SZBC

SK

SV

SNK

SN

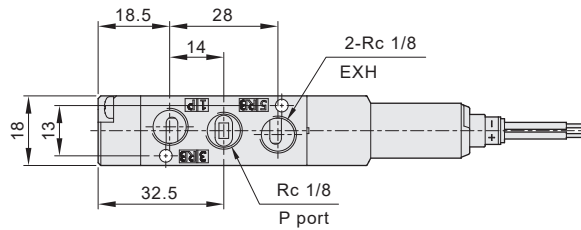
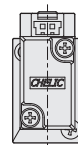
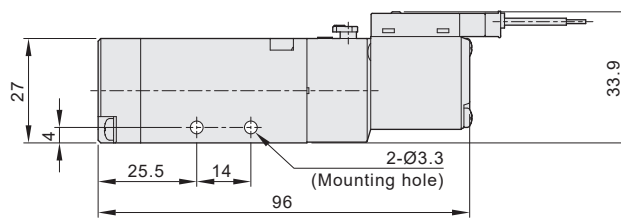
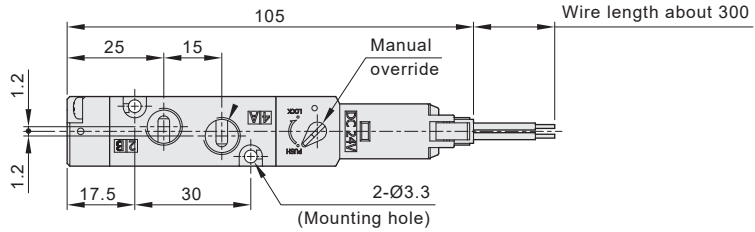
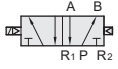
SK 500 series Body Ported Solenoid Valve

Dimensions

CHELIC

SK-5101

5 port 2-position single

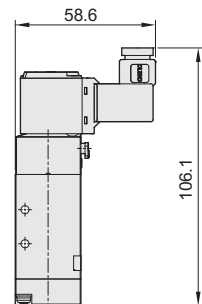
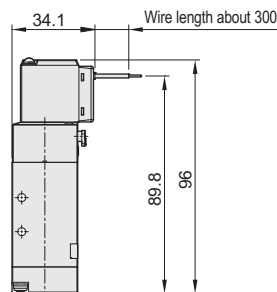
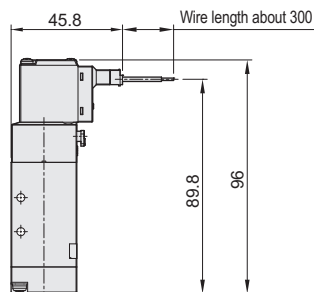
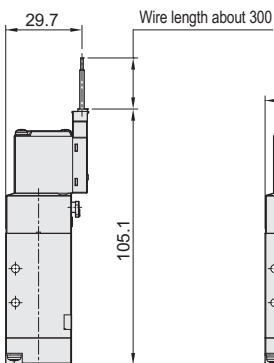


L wire type - L

T wire type - T

W wire type - W

K wire type - K



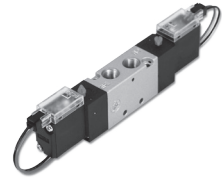
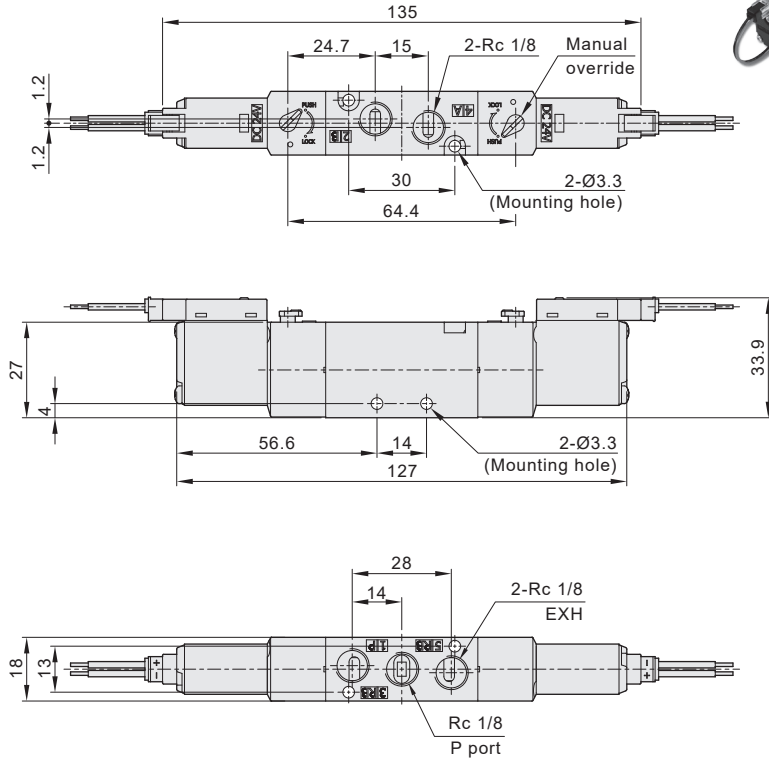
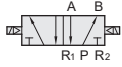
SK 500 series Body Ported Solenoid Valve

Dimensions

CHELIC

SK-5201

5 port 2-position double

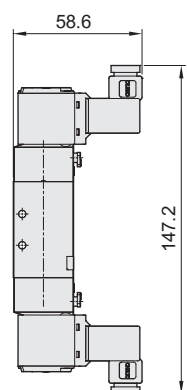
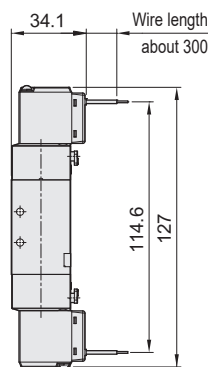
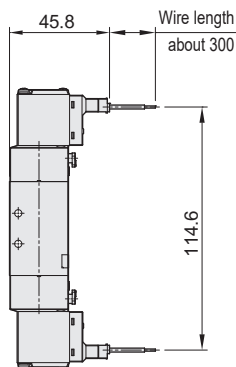
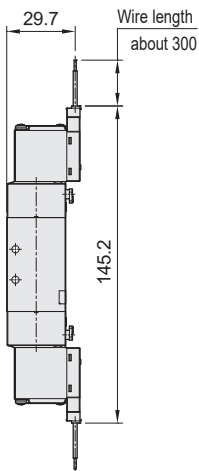


L wire type - L

T wire type - T

W wire type - W

K wire type - K



SRM

SRVB

SF

SR

SRB

SM

SMB

SRK

SZBC

SK

SV

SNK

SN

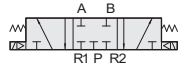
SK 500 series Body Ported Solenoid Valve

Dimensions

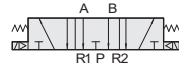
CHELIC

SK-5231 - □

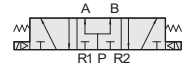
5 port 3-position double



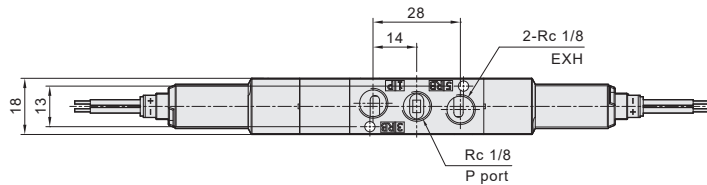
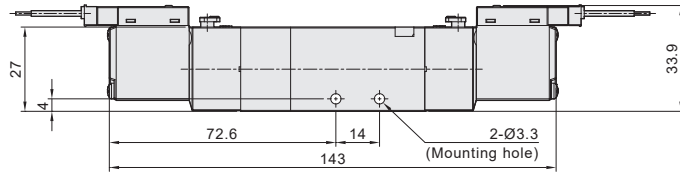
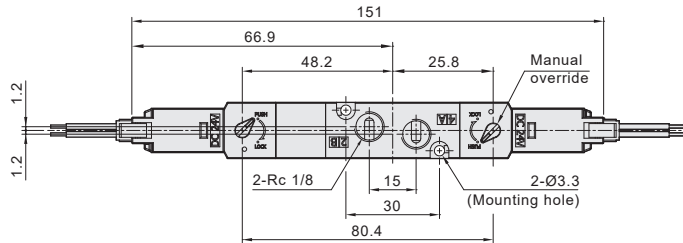
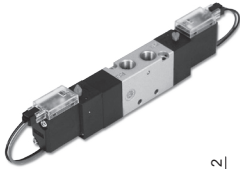
SK-5231-**[NC]** (Closed center) N.C.



SK-5231-**[NF]** (Exhaust center) N.F.



SK-5231-**[NO]** (Pressure center) N.O.

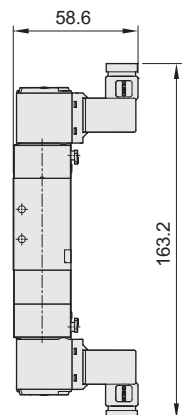
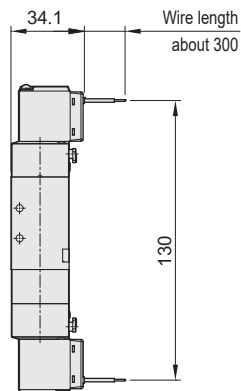
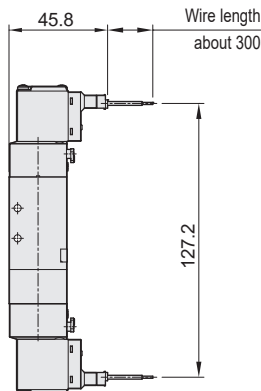
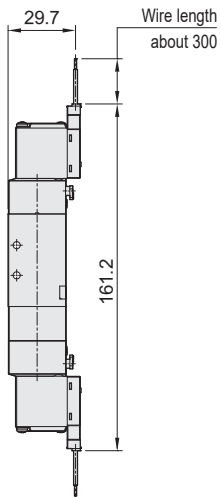


◉ L wire type - **[L]**

◉ T wire type - **[T]**

◉ W wire type - **[W]**

◉ K wire type - **[K]**

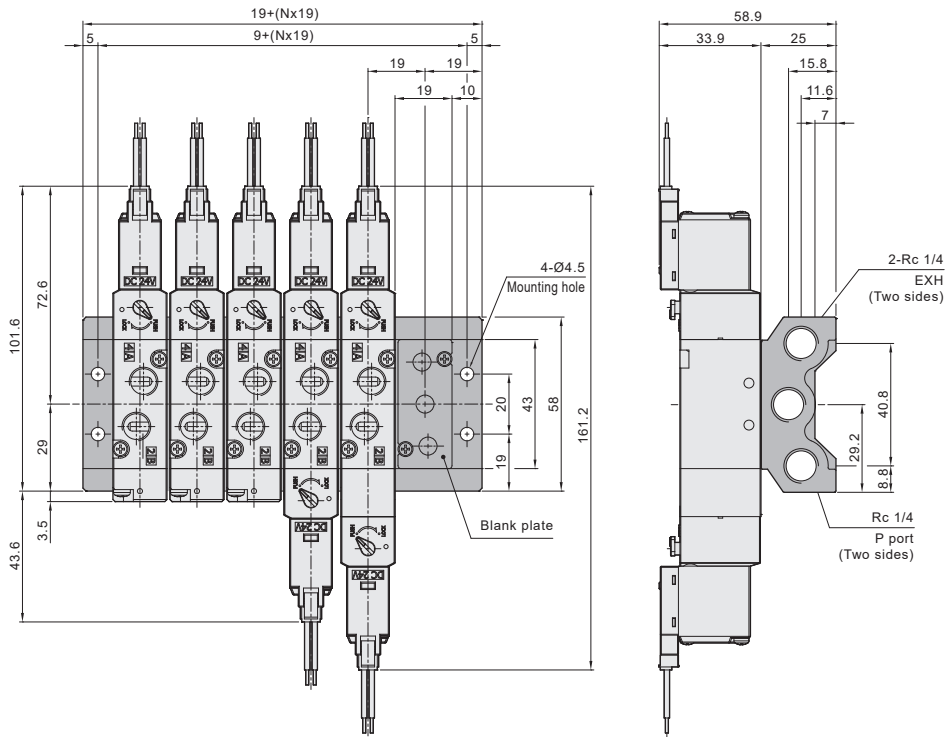
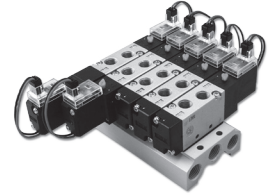


SK 500 series Body Ported Solenoid Valve

Dimensions

CHELIC

SK - 500 series Manifold dimension



● Note: Blank plate with rubber lining is reserved for temporary storage space of solenoid valves.

SRM

SRVB

SF

SR

SRB

SM

SMB

SRK

SZBC

SK

SV

SNK

SN

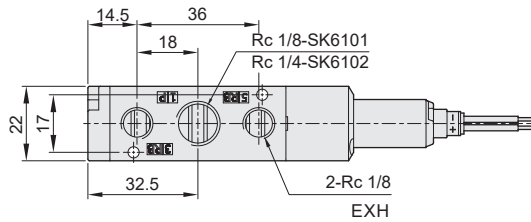
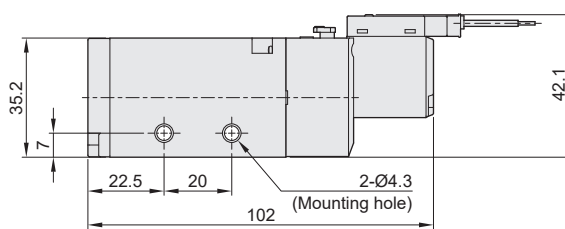
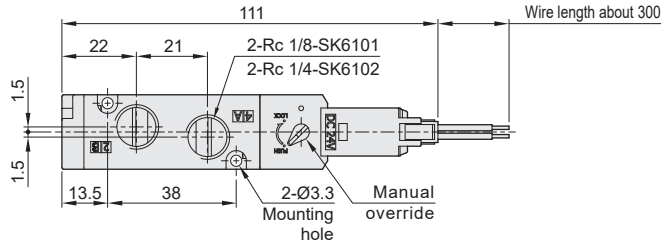
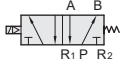
SK 600 series Body Ported Solenoid Valve

Dimensions

CHELIC

SK - 6101 • 6102

5 port 2-position single



L wire type - L

T wire type - T

W wire type - W

K wire type - K

