



Pneumatic, Vacuum and Auxiliary Components
Catalog No. CB-024SA

Compact mechanical pressure switch

APS-W Series

● General purpose discrete specifications (APS)

JIS symbol



Specifications

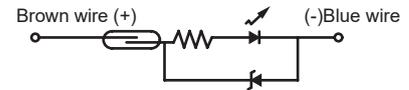
Item	APS-W
Working fluid	Compressed air
Max. working pressure MPa	1.0
Set pressure MPa	0.1 to 0.6
Hysteresis MPa	0.08 or less
Repeatability MPa	±0.02 or less
Contact array	1a *1
Wiring	Lead wire (oil resistant vinyl cabtyre cable 2-conductor 0.2mm ²)
Ambient/fluid temperatures	5 to 60°C
Degree of protection *2	IP 20 or equiv.
Weight g	69

*1: The contact turns ON if air pressure exceeding the scale set pressure is applied.
*2: However, mounting direction is to be vertical. Connect a fitting to the atmospheric pressure inlet port, Note that when extending the tube until water does not enter, IP65 or equivalent is applied. Not for outdoor use.

Wiring section specifications

Load voltage	12/24 VDC	100 VAC
Load current	5 to 50 mA	7 to 20 mA
Internal voltage drop	3 V or less	
Lamp	LED (Lit when ON)	
Max. shock	294 m/s ²	
Insulation resistance	20 MΩ and over with 500 VDC megger	
Withstand voltage	No failure after 1 minute of 1,000 VAC application.	

Internal circuit diagram



Compatibility table by variation

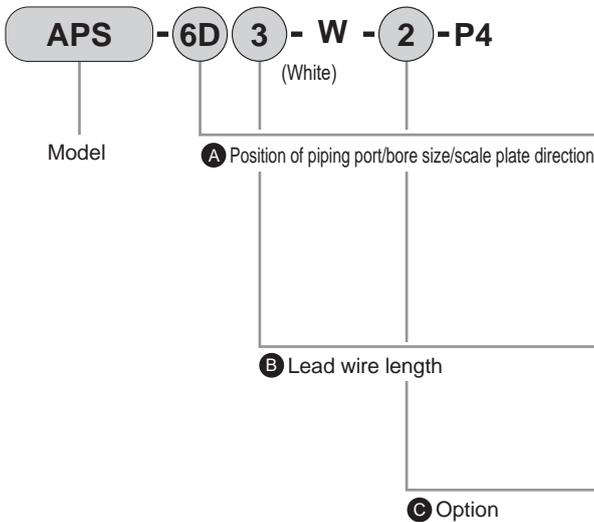
	APS
Port size	Rc1/8
P4	●

●: Applicable models ○: Semi-applicable models ▲: Contact CKD for details. □: Not applicable

*1: The atmospheric pressure inlet port is M5.

*2: Fitting attachment option for atmospheric introduction port is not available.

How to order

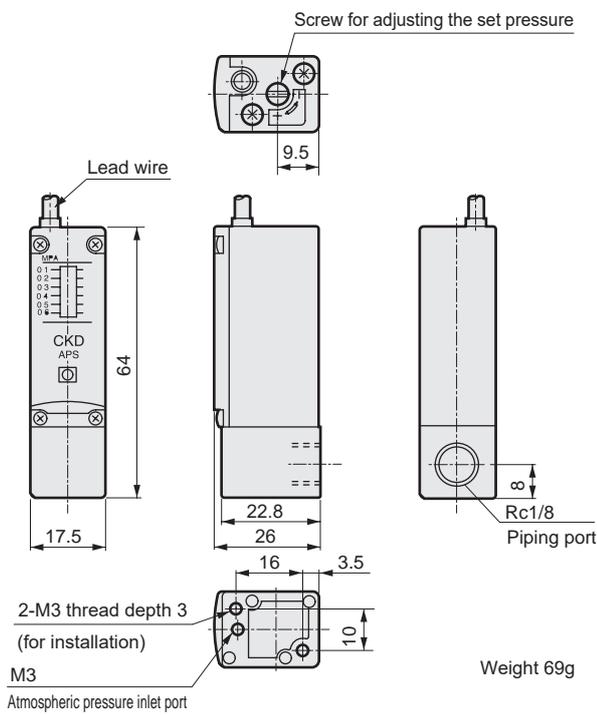


Code	Description
A Position of piping port/bore size/scale plate direction	
6 B	Back surface Rc1/8, vertical *1
6D	Bottom surface Rc1/8, vertical
6F	Back surface flange, vertical
6L	Both side surfaces Rc1/8, vertical *1
6Y	Back surface flange, horizontal
B Lead wire length	
Blank	1m
3	3m
5	5m
C Option	
Blank	No
1	DIN rail bracket attached (6D) only
2	Nipple attached (6D) only

*1: When installing, be careful not to block the atmospheric release port.

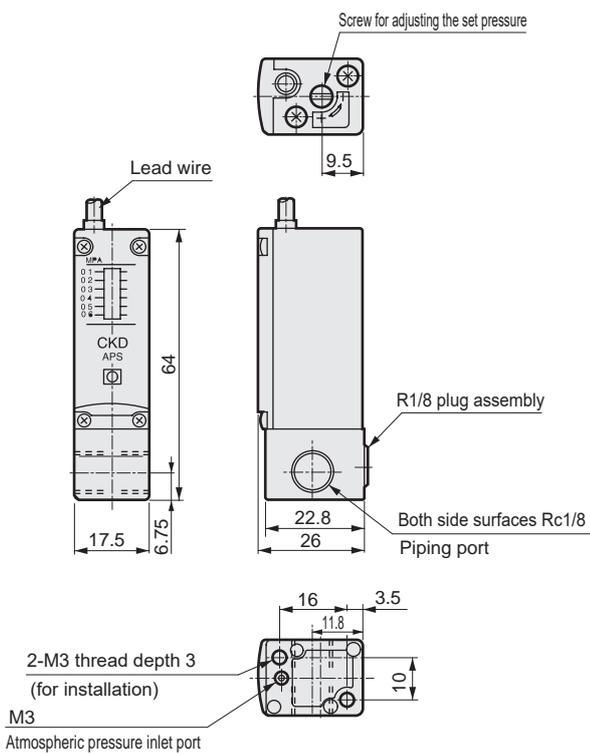
● APS-6B-W-*-P4

● APS-6D-W-*-P4

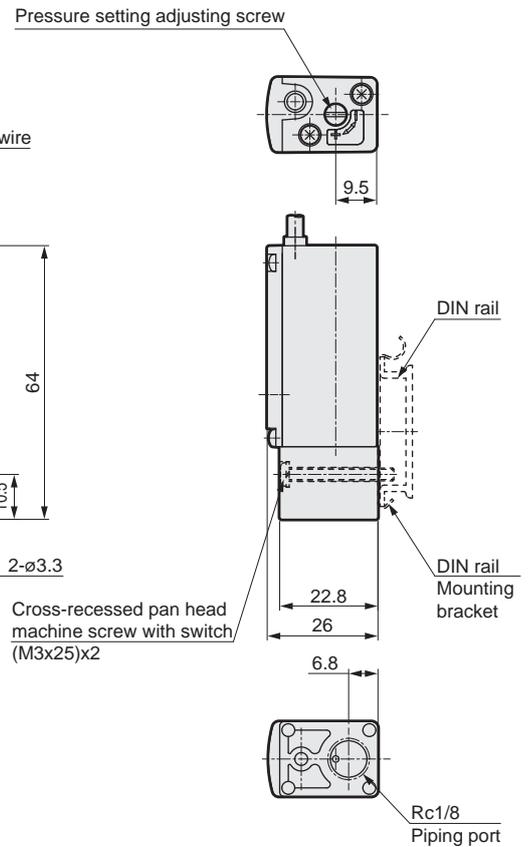


Note: When installing on the bottom, be careful not to block the atmospheric release port.

● APS-6L-W-*-P4



Note: When installing on the bottom, be careful not to block the atmospheric release port.



Pneumatic cylinders	Hand/Chuck	Related products	Cylinder Switch	Pneumatic actuator
Vacuum components	Pneumatic valves	Clean air components	Pneumatic auxiliary components	Gas generator
Speed controller	Fitting	Auxiliary valve	Silencer	Tube
Fluid control components	Motor specification	Motorless specifications	Electric actuator	