



Contact our sales office regarding a delivery date or a price since this is a special model.

SP127X-026E  
P: RP

**SMC** P.G.Information (Specialized Product)

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URL: <http://www.smcworld.com>

## Compact Vacuum Unit / ZZB\*-\*-\*X116

### ■Features:

SI unit manifold compatible with CC-Link (fieldbus)

### ■Specifications

- Compatible with CC-Link

(Only for supply valve and release valve.)

Separate wiring is necessary for pressure sensor and vacuum pressure switch.)

**\* Other than the above, specifications are the same as the standard type.**

### ■How to Order:

#### • Manifold

ZZB \* - \* \* \* - X116 - \*

#### Station

01	1 station
⋮	⋮
08	8 stations

#### Sensor/Switch Mountable

Nil	Non-mountable base
S	Mountable base

\* Select "S" when the model with either the pressure sensor or the vacuum pressure switch is selected for the single unit.

#### SI Unit

Nil	Available
N	None

\* SI unit part number is EX121-SMJ1.

Refer to Best Pneumatics (1) for detailed specifications.

#### Common release pressure (PD) port

Nil	Without PD port (PV=PD)
M5	With PD port M5x0.8 (PV≠PD)

#### Common supply pressure (PV) port size

01	Rc 1/8
01N	NPT 1/8
01F	G 1/8
M5	M5x0.8

Single unit model (For manifold, rated voltage: 24 VDC)

Z B ※ 3 ※ - K 1 5 ※ ※ - ※ ※ - ※ ※

Nominal Nozzle Size

Symbol	Nominal nozzle size	Standard supply pressure
00 <small>Note1)</small>	—	—
03	0.3	0.35MPa
04	0.4	0.35MPa
05	0.5	0.35MPa
06	0.6	0.5MPa

Note1) Vacuum pump system only

Exhaust Type

0	For vacuum pump system (Without silencer)
1	Silencer exhaust (Individual exhaust)

Combination of Supply Valve and Release Valve

Symbol	Supply valve	Release valve	Applicable body type			
			Ejector		Pump system	
			PV = PD	PV ≠ PD	PV = PD	PV ≠ PD
K1	N.C.	N.C.	●	●	—	●

Electrical Entry

L	L-type plug connector
M <small>Note2)</small>	M-type plug connector

Note2) M-type connectors cannot be selected for models with pressure sensor or pressure switch for vacuum.

Manual Override

Nil	Non-locking push type
B	Locking type (Tool required) Semi-standard

Option

Nil	Without option
K	Screwdriver handling type vacuum break flow rate adjustment needle

Vacuum (V) Port (one-touch fitting)

Symbol	φ (mm)	
C2	φ 2 (mm)	Straight
C4	φ 4 (mm)	
N1	φ 1/8" (Inch)	
N3	φ 5/32" (Inch)	Elbow
L2	φ 2 (mm)	
L4	φ 4 (mm)	
LN1	φ 1/8" (Inch)	
LN3	φ 5/32" (Inch)	

Lead Wire with Connector for Vacuum Pressure Switch

Nil	Without connector (No need to specify for pressure sensor type.)
G	Lead wire with connector and connector cover, Lead wire length 2 m

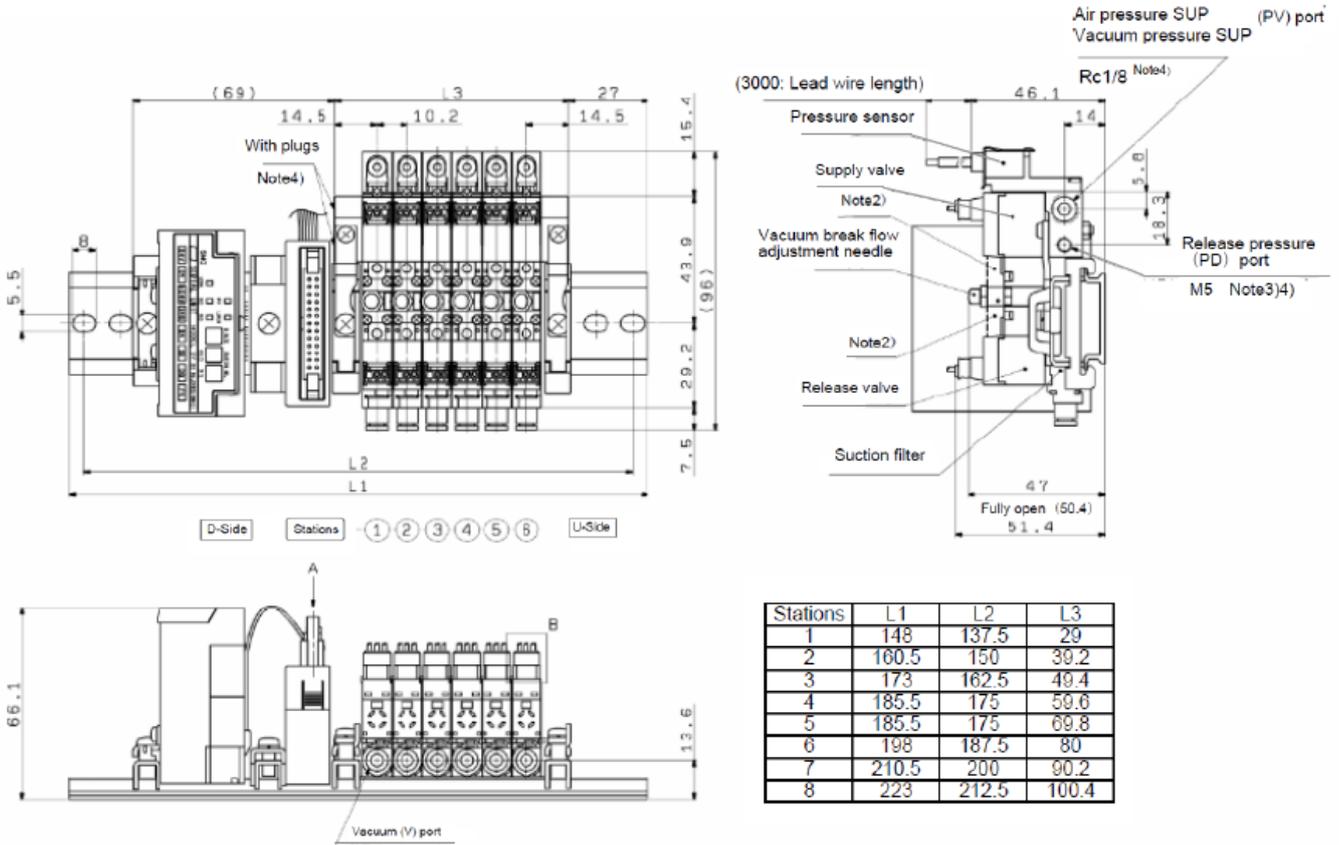
Pressure Sensor/Vacuum Pressure Switch Specifications

Symbol	Type	Pressure range [kPa]	Specifications
Nil	Without pressure sensor/vacuum pressure switch		
P1	Pressure sensor	0 to -101	Output: 1 to 5 V, accuracy: ±2% F.S. or less
P3		-100 to 100	Output: 1 to 5 V, accuracy: ±2% F.S. or less
EA	Vacuum pressure switch	0 to -101	NPN 2 outputs
EAM			With unit switching function <small>Note3)</small>
EAP			SI unit only (kPa)
EB			With unit switching function <small>Note3)</small>
EBM			SI unit only (kPa)
EBP		With unit switching function [Initial value psi] <small>Note 3)</small>	
FA		-100 to 100	NPN 2 outputs
FAM			With unit switching function <small>Note3)</small>
FAP			SI unit only (kPa)
FB			With unit switching function <small>Note3)</small>
FBM	SI unit only (kPa)		
FBP	With unit switching function [Initial value psi] <small>Note 3)</small>		

Note3) The unit switching function is not available in Japan due to a new measurement law.

# Dimensions: mm

## ZZB\*-\*-X116



Note 1) The diagram above shows ZZB\*-S01M5-X116 and \*ZB\*3\*-K15L-P1/P3-C4.

Note 2) The dotted line shows the manual lock type.

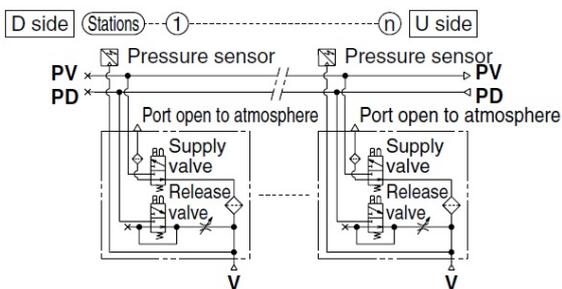
Note 3) No port when PV=PD type is selected.

Note 4) PV and PD ports are located to the right in relation to the V port. A plug is placed to the left.

## ■ Circuit diagram

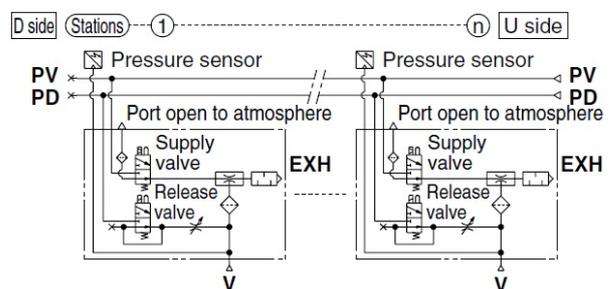
ZZB\*-S\*M5-X116

\*ZB0030-K15\*-P\*-\*\*



ZZB\*-S\*M5-X116

\*ZB\*31-K15\*-P\*-\*\*

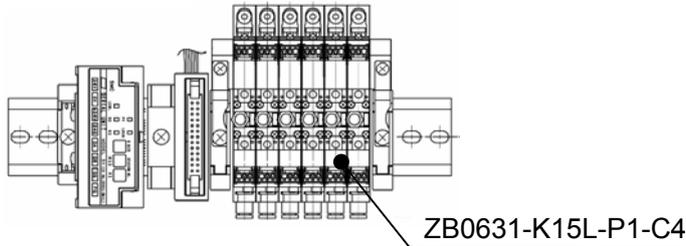


## ■Others

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\*1: Order manifold model number and single unit model number.

Order example)



ZZB06-S01M5-X116: 1

\*ZB0631-K15L-P1-C4: 6

Add prefix "\*" to the part number for the single unit to be mounted as a manifold.

\*2: Separate wiring is necessary for pressure sensor and vacuum pressure switch.

\*3: Other communication protocols (EtherNet/IP™, DeviceNet™, CompoNet™, Profinet, Profibus, EtherCAT®) are also available. Please contact your closest SMC sales office.

### Trademark

EtherNet/IP™ is a trademark of ODVA.

DeviceNet™ is a trademark of ODVA.

CompoNet™ is a trademark of ODVA.

EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.



**Caution** To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.