

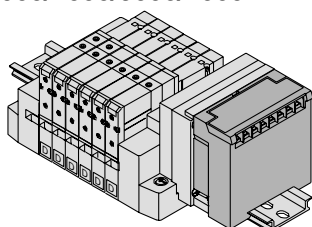
Integrated Type/For Output

Series *EX120/121/122*

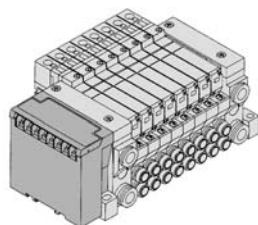
- ★ Small unit compatible with maximum 16 outputs
- ★ Compatible with a variety of communication networks

Series *EX120*

SV1000/2000/3000/4000

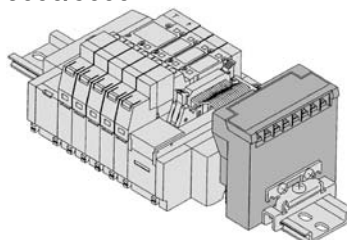


VQ1000/2000



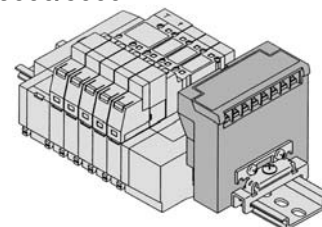
Series *EX121*

SY3000/5000



Series *EX122*

SY3000/5000



How to Order SI Unit

EX12 **0** - **S** **DN1**

Valve interface

0	Plug-in
1	Flat ribbon cable DIN rail mounting
2	Plug-in DIN rail mounting

Dustproof

Nil	Non-dustproof
-XP	Dustproof

Note) XP is not available for DN1 and DN1-X26.

Communication protocol

DN1	DeviceNet Note 1)
DN1-X26	DeviceNet Note 1)
MJ1	CC-Link
CS1	OMRON Corp.: CompoBus/S (16 outputs)
CS2	OMRON Corp.: CompoBus/S (8 outputs)
SL1	SUNX Corp.: S-LINK (16 outputs)
SL2	SUNX Corp.: S-LINK (8 outputs)
UW1	NKE Corp.: Uni-wire System
UH1	NKE Corp.: Uni-wire H System

Note 1) DN1's occupied points are 16 inputs and 16 outputs, while DN1-X26 has 0 inputs and 16 outputs.

Note 2) Please consult SMC for networks other than those mentioned above.

SI Unit Specifications

Model			EX12□-SDN1	EX12□-SDN1-X26 ^{Note 4)}	EX12□-SMJ1	EX12□-SCS1 EX12□-SCS2	EX12□-SSL1 EX12□-SSL2	EX12□-SUW1	EX12□-SUH1
Communication specification	Applicable system	Protocol	DeviceNet		CC-Link	OMRON Corp.: CompoBus/S	SUNX Corp.: S-Link	NKE Corp.: Uni-wire System	NKE Corp.: Uni-wire H System
		Version ^{Note 1)}	Release 2.0		Ver. 1.10	—	—	—	—
	Communication speed		125 k/250 k/500 kbps		156 k/625 kbps 2.5 M/5 M/10 Mbps	750 kbps	28.5 kbps	28.5 kbps	29.4 kbps
	Specified file ^{Note 2)}		EDS file		—				
	Occupied area (Number of inputs/outputs)		16/16	0/16	32/32 (1 station, remote I/O stations)	SCS1: 0/16 SCS2: 0/8	SSL1: 0/16 SSL2: 0/8	0/16	0/16
	Terminal resistor		Not applicable						
Power supply	For unit		11 to 25 VDC		15 to 30 VDC	14 to 26.4 VDC	24 VDC+10%/−5% (Common power supply)	24 VDC±10% (Common power supply)	
	For valve		24 VDC+10%/−5%						
Internal current consumption (Unit)			100 mA or less						
Output specification	Output type		NPN output (+COM.)						
	Number of outputs		16 points			SCS1/SSL1: 16 points SCS2/SSL2: 8 points		16 points	
	Connection load		SMC: Solenoid valve with light/surge voltage suppressor (24 VDC, 2.1 W or less)						
	Output when communication error occurs		Clear	Hold/Clear (Switch setting)	Clear	Hold/Clear (Switch setting)		Clear	
Environmental resistance	Enclosure		IP20						
	Operating temperature range		0 to +55°C (Valve 8 points ON) 0 to +50°C (Valve 16 points ON)						
	Operating humidity range		35 to 85%RH (With no condensation)						
	Withstand voltage		1500 VAC for 1 min. between external terminals and case						
	Insulation resistance		2 MΩ or more (500 VDC) between external terminals and case						
	Vibration resistance		10 to 55 Hz with a 0.5 mm amplitude in each X, Y, Z direction for 2 hrs (De-energized)						
	Impact resistance		98 m/s ² , in each X, Y, Z direction, 3 times (De-energized)						
Standard			CE marking				—		
Accessory			Communication connector 1 pc., Power connector 1 pc.		—				

Note 1) Please note that the version is subject to change.

Note 2) Each file can be downloaded from SMC's website (<http://www.smcworld.com/>).

Note 3) For detailed specifications other than the above, refer to the separate technical operation manual that can be downloaded from SMC's website (<http://www.smcworld.com/>).

Note 4) Since this is a special product, a manifold part number is not specified. Please consult SMC for the manifold integrated type.

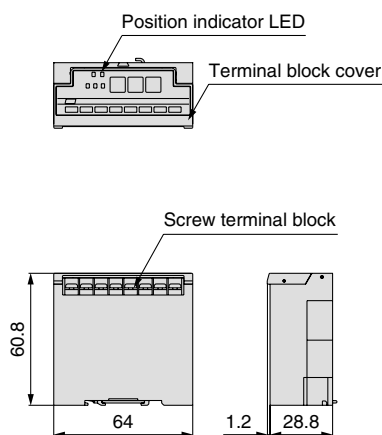
EX

Series EX120/121/122

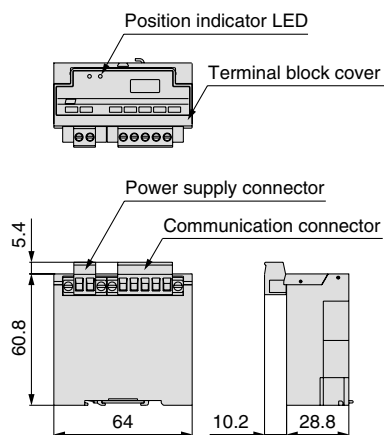
SI Unit Dimensions / Parts Description

EX120

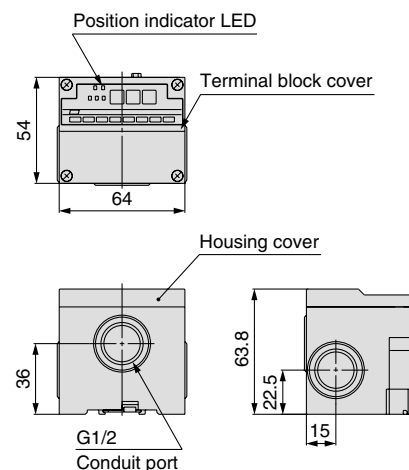
EX120-SMJ1, SCS□,
SSL□, SUW1, SUH1



EX120-SDN1(-X26)

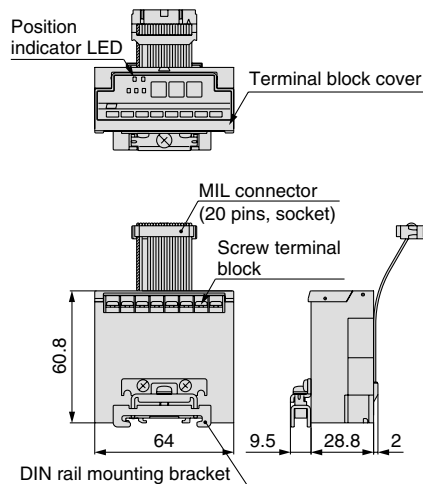


EX120-S□□□-XP

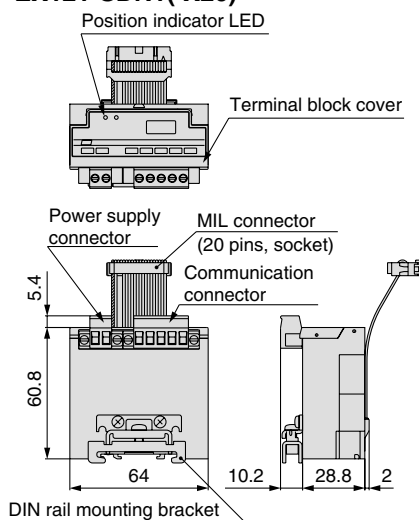


EX121

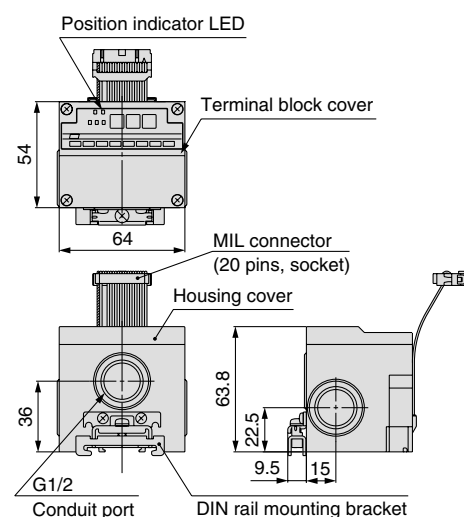
EX121-SMJ1, SCS□,
SSL□, SUW1, SUH1



EX121-SDN1(-X26)

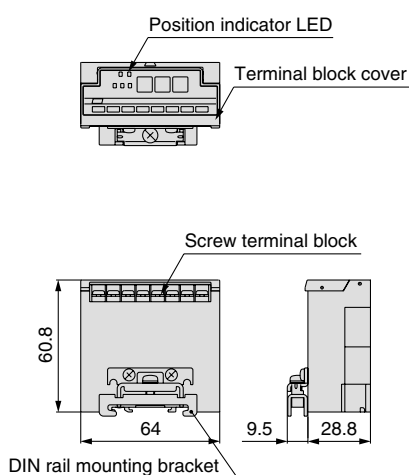


EX121-S□□□-XP

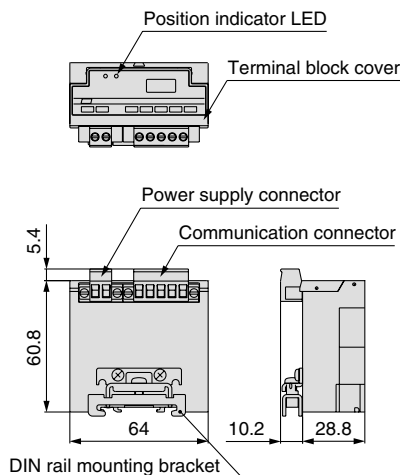


EX122

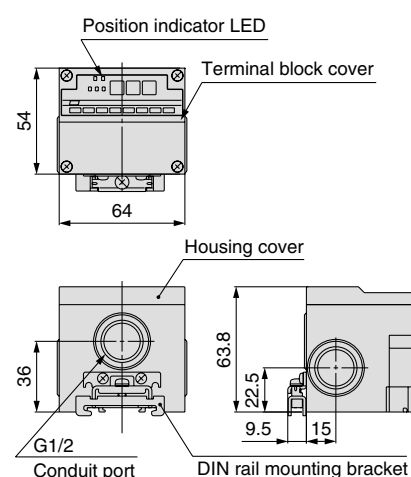
EX122-SMJ1, SCS□,
SSL□, SUW1, SUH1



EX122-SDN1(-X26)



EX122-S□□□-XP



Integrated Type/For Output

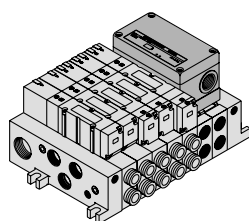
Series *EX123/124/126*

★Enclosure IP65 (EX123, EX124), IP67 (EX126)

★Maximum 16 outputs

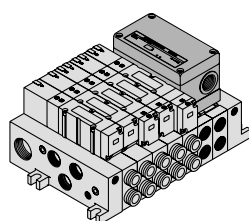
Series *EX123*

VQ2000/4000/5000



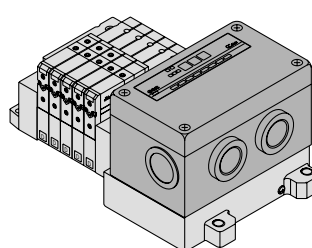
Series *EX124*

VQ2000/4000/5000

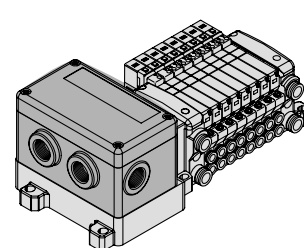


Series *EX126*

SV1000/2000/3000



VQC1000/2000/4000



How to Order SI Unit

EX12 3 U - S SL1

Unit specifications

3	Common power supply of unit and valve Enclosure IP65 Compatible with VQ valves
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Mounting specifications

U	Mount a unit to the U side of the manifold
D	Mount a unit to the D side of the manifold

Communication protocol

SL1	SUNX Corp.: S-LINK (16 outputs)
SL2	SUNX Corp.: S-LINK (8 outputs)
UW1	NKE Corp.: Uni-wire System
UH1	NKE Corp.: Uni-wire H System

EX12 4 U - S DN1

Unit specifications

4	Separate power supply of unit and valve Enclosure IP65 Compatible with VQ valves
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Mounting specifications

U	Mount a unit to the U side of the manifold
D	Mount a unit to the D side of the manifold

Communication protocol

DN1	DeviceNet Note)
DN1-X26	DeviceNet Note)
MJ1	CC-Link
CS1	OMRON Corp.: CompoBus/S (16 outputs)
CS2	OMRON Corp.: CompoBus/S (8 outputs)

Note) DN1's occupied points are 16 inputs and 16 outputs, while DN1-X26 has 0 inputs and 16 outputs.

EX12 6 D - S MJ1

Unit specifications

6	Separate power supply of unit and valve Enclosure IP67 Compatible with SV/VQC valves
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Mounting specifications

D	Mount a unit to the D side of the manifold
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Communication protocol

MJ1	CC-Link
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EX

Series EX123/124/126

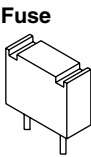
How to Order Option

Fuse for replacement

A fuse for replacement used for EX126D-SMJ1.

EX9–FU20

Applicable model	EX126D-SMJ1
Rated current	2.0 A



Dripproof plug assembly

Use for the unused conduit port (G1/2).

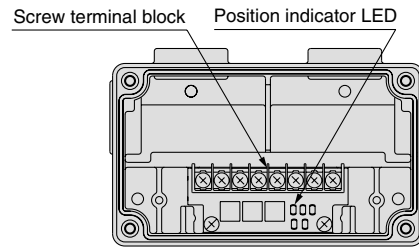
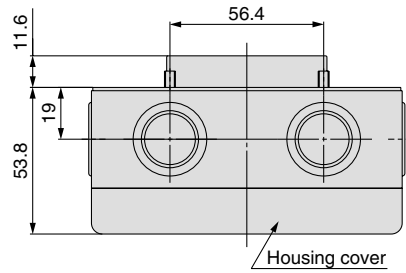
AXT100–B04A

SI Unit Specifications

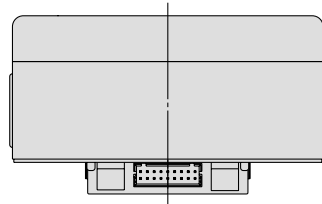
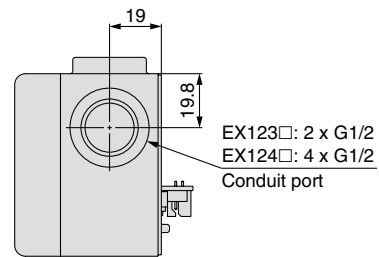
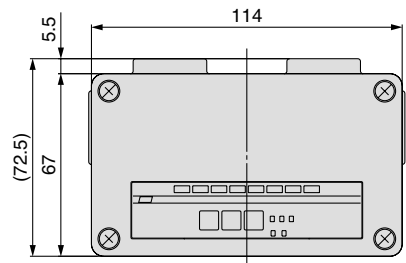
The electrical specification is the same for EX12□. Refer to page 1651.
4 unit mounting screws (M4 x 10) are included when shipped.

SI Unit Dimensions/Parts Description

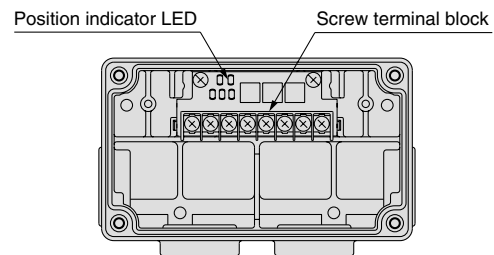
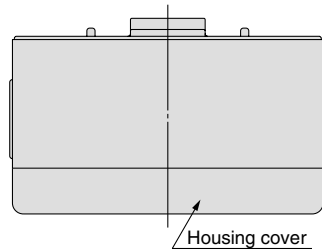
EX123□-S□□□, EX124□-S□□□



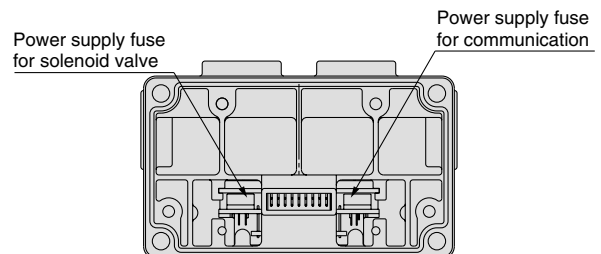
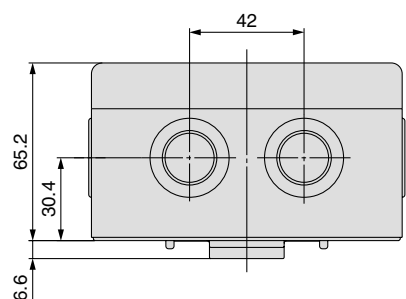
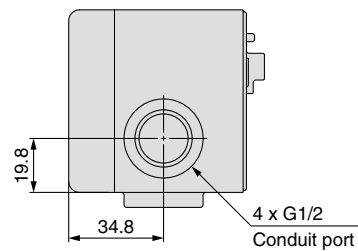
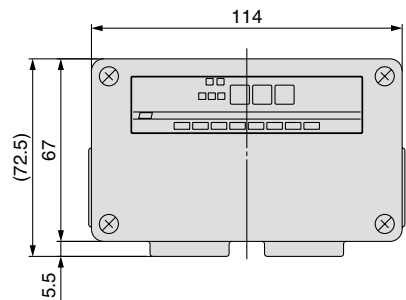
Housing cover diagram



EX126D-SMJ1



Housing cover diagram



Housing bottom diagram

EX