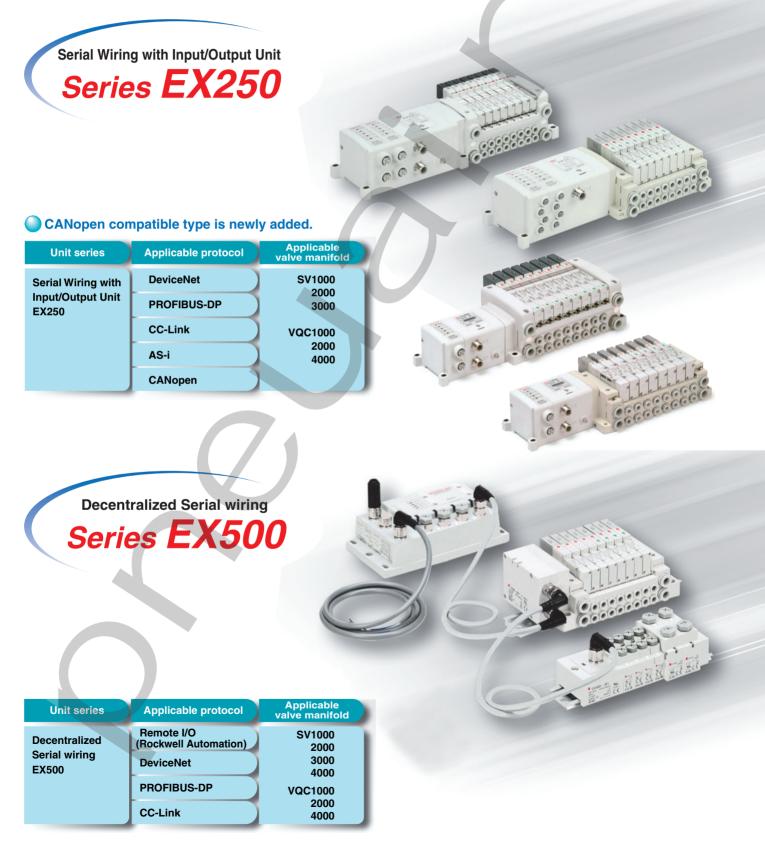




Serial Transmission System









Decentralized Serial Wiring Series EX500

For details about certified products conforming to international standards, visit us at www.poweraire. com.

Gateway (GW) Unit

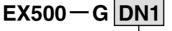




Input Unit Manifold



How to Order



Communication protocol

 DN1
 DeviceNet
 AB1-X1
 Remote I/O (RIO)

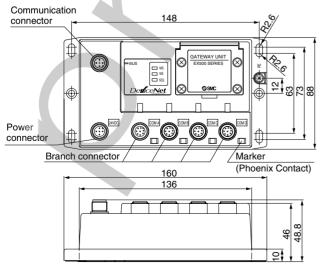
 PR1A
 PROFIBUS-DP
 MJ1
 CC-Link

Gateway (GW) Unit Specifications

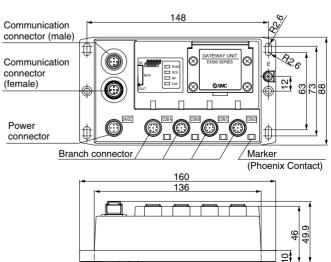
Model	EX500-GAB1-X1	EX500-GDN1	EX500-GPR1A	EX500-GMJ1	
Applicable PLC/ Communication protocol	Rockwell Automation PLC	DeviceNet Release 2.0	PROFIBUS-DP (EN50170)	CC-Link Ver. 1.10	
Communication speed	57.6/115.2/ 230.4 kbit/sec	125/250/500 kbit/sec	9.6/19.2/45.45/93.75/ 187.5/500 kbit/sec 1.5/3/6/12 Mbit/sec	156/625 kbit/sec 2.5/5/10 Mbit/sec	
Rated voltage	24 VDC				
	Input and control unit power supply: 24 VDC ± 10%				
Power supply	Solenoid valve power supply: 24 VDC + 10%/-5% (with power drop warning at appr			rning at approx. 20 V)	
voltage range	_	Communication power supply for DeviceNet 11 to 25 VDC	_	_	
Current	200 mA or less (single GW unit)				
consumption	-	Communication power supply for DeviceNet 50 mA or less	_	_	
Number of inputs/outputs	Maximum 64 inputs/64 outputs				
Number of input/ output branches	4 branches (16 inputs/16 outputs per branch)				
Branch cable	8 core heavy duty cable				
Branch cable length	5 m or less (total extension 10 m or less)				
Communication connector	M12 connector (8 pins, socket)				
Power connector	M12 connector (5 pins, plug)				
Ambient operating temperature/humidity	+5 to +45°C at 35% to 85% RH (no condensation)				
Enclosure	IP65				
Applicable standard	UL, CSA, CE				
Weight (g)	470				

Dimensions (mm)

EX500-GDN1/DeviceNet



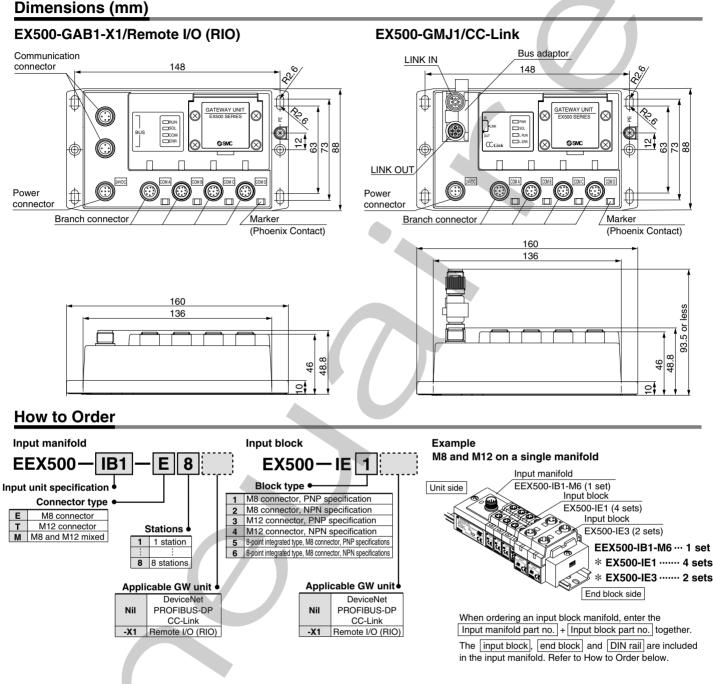
EX500-GPR1A/PROFIBUS-DP







O AIRE Decentralized Serial Wiring Series EX500



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Input Unit Specifications

Connection block	Current source type input block (PNP input block) or Current sink type input block (NPN input block)		
Communication connector	M12 connector (8 pins, plug)		
Number of connection blocks	Maximum 8 blocks		
Block supply voltage	24 VDC		
Block supply current	0.65 A maximum		
Current consumption	100 mA or less (at rated voltage)		
Short circuit protection	Operates at 1ATyp. (power supply cut) GW unit reset by turning power OFF and back ON.		
Enclosure	IP65		
Weight (g) Note)	100 (Input unit + end block)		
Note) Not including the DIN rail weight.			

Input Block Specifications

Applicable sensor	Current source type (PNP output) or Current sink type (NPN output)
Sensor connector	M8 connector (3 pins) or, M12 connector (4 pins)
Number of inputs	2 inputs/8 inputs (M8 only)
Rated voltage	24 VDC
Indication	Green LED
Insulation	None
Sensor supply current	Maximum 30 mA/Sensor
Enclosure	IP65
Weight (g)	[For M8: 20] [For M12: 40] [8 point integrated type, for M8: 55]

For detailed information, refer to Best Pneumatics Vol. 1 and the technical instruction manual.

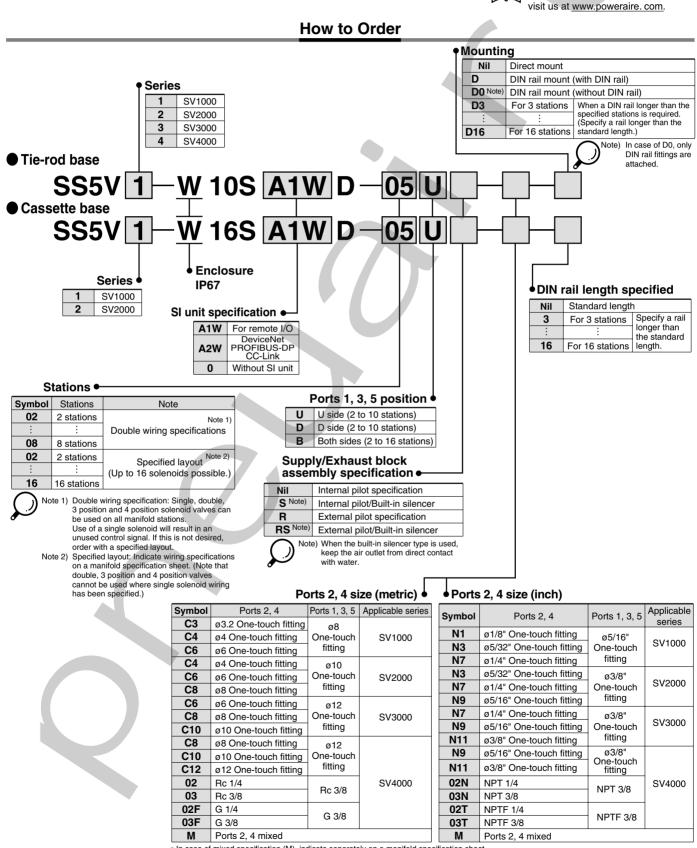






conforming to international standards,

For EX500 Decentralized Serial Wiring Series SV

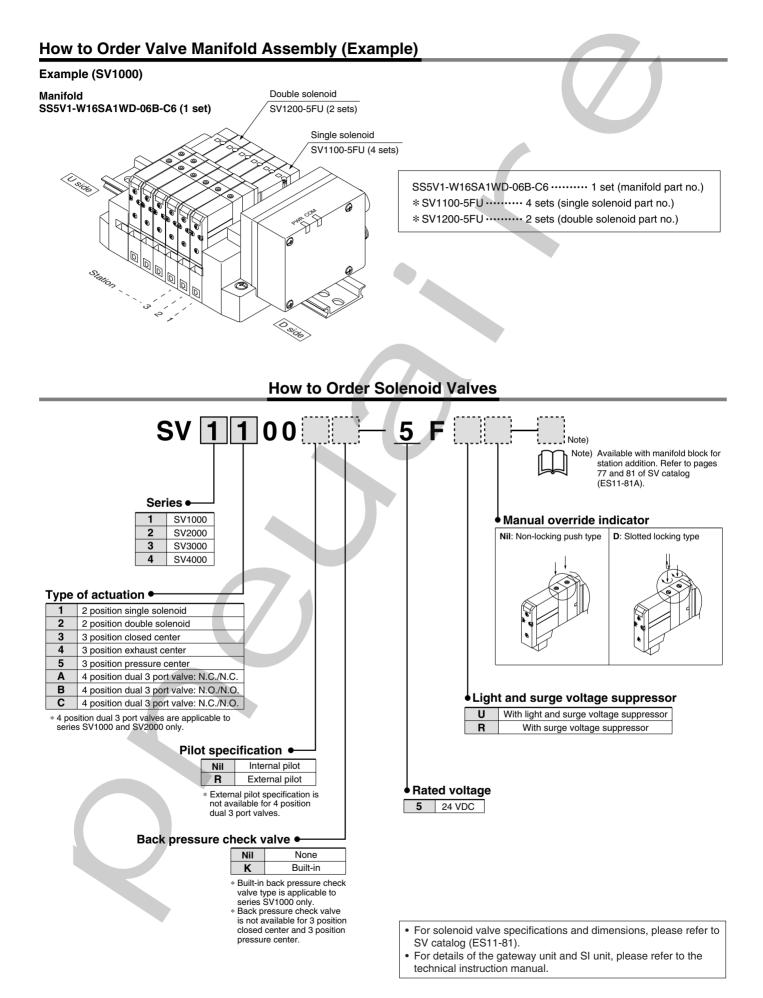


* In case of mixed specification (M), indicate separately on a manifold specification sheet.

* The port size of X and PE ports of the external pilot specification (R, RS) is ø4 (metric) or ø5/32" (inch) for Series SV1000 and 2000, and ø6 (metric) or ø1/4" (inch) for Series SV3000 and 4000.







POWER



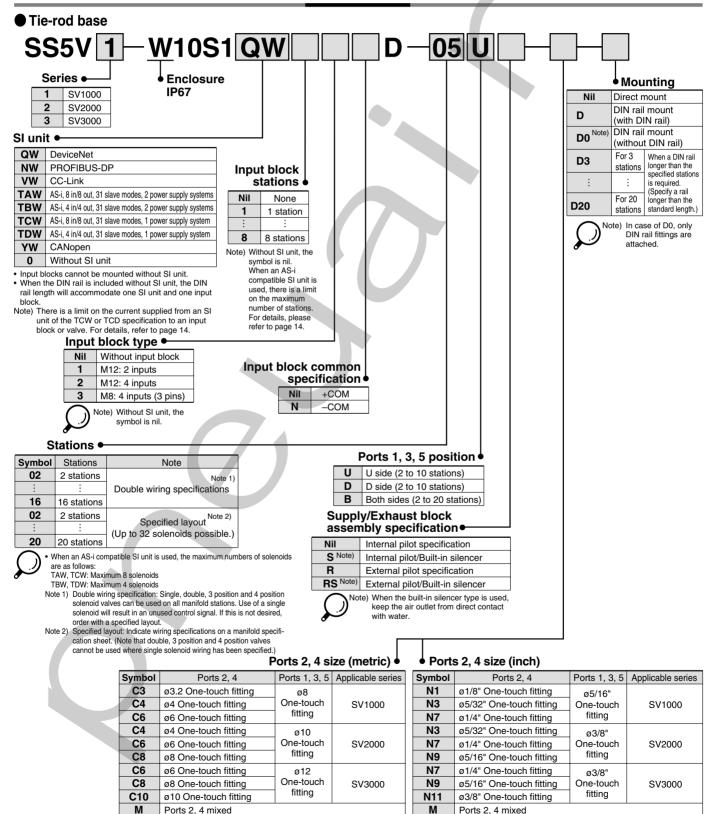




EX250 Serial Wiring with Input/Output Unit Series SV

How to Order

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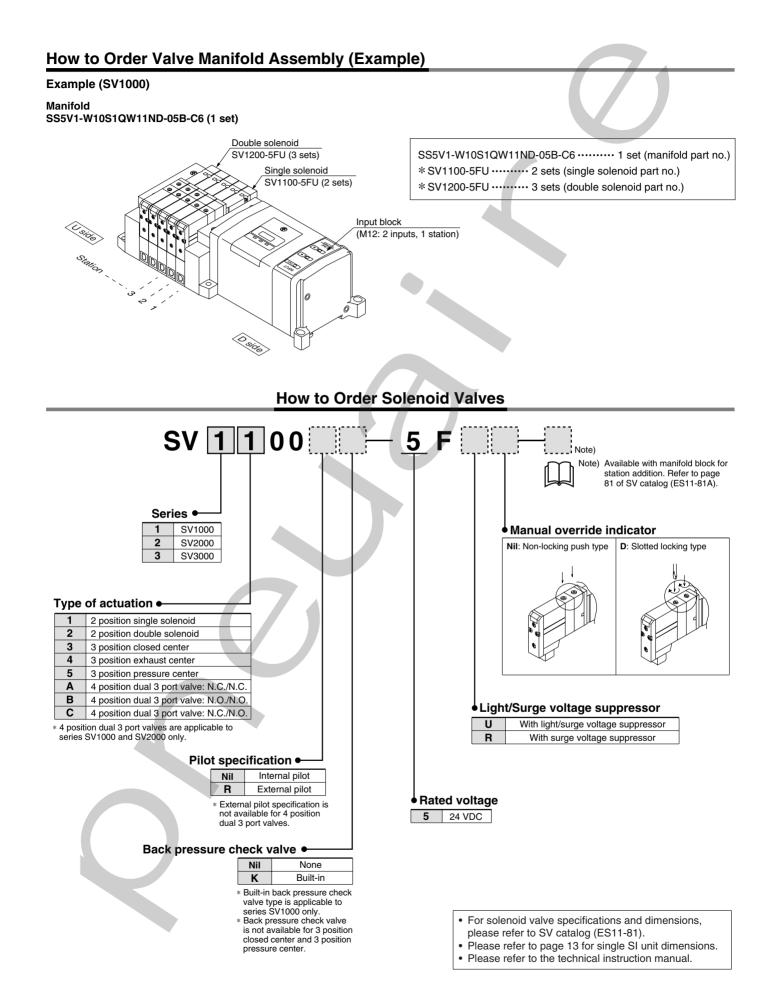


In case of mixed specification (M), indicate separately on a manifold specification sheet. The port size of X and PE ports of the external pilot specification (R, RS) is ø4 (metric) or ø5/32" (inch) for Series SV1000 and 2000, and ø6 (metric) or ø1/4" (inch) for Series SV3000.



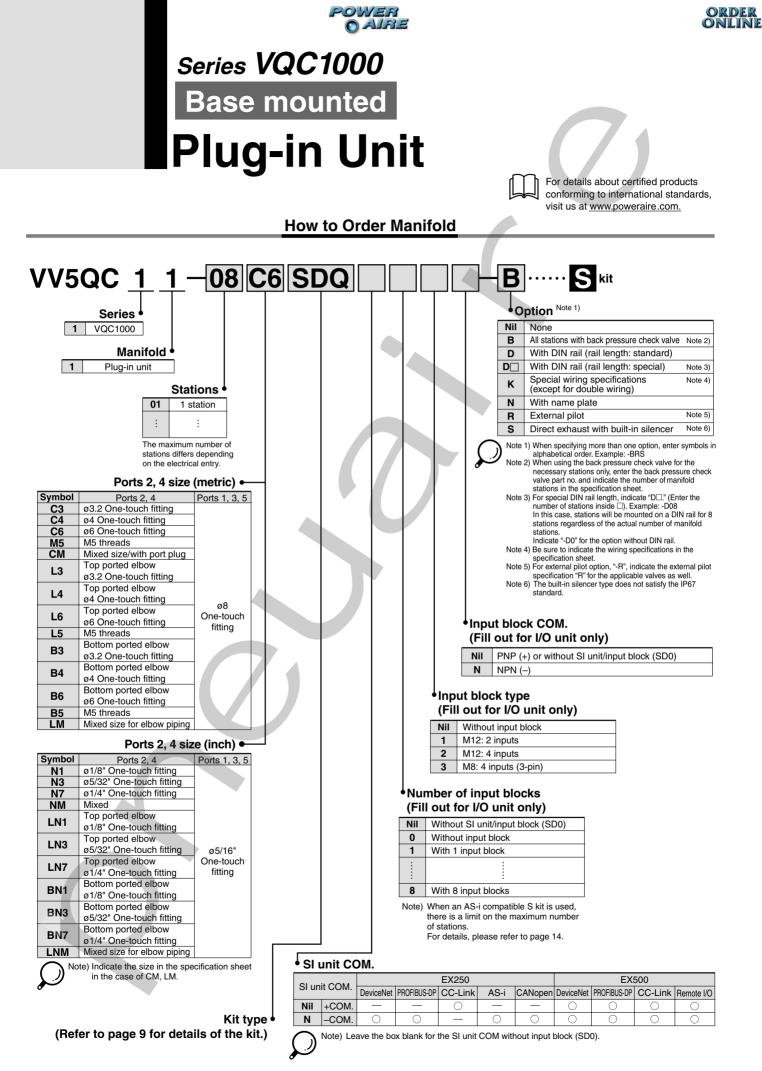


© AIRE EX250 with Input/Output Unit Serial Wiring Series SV



POWER

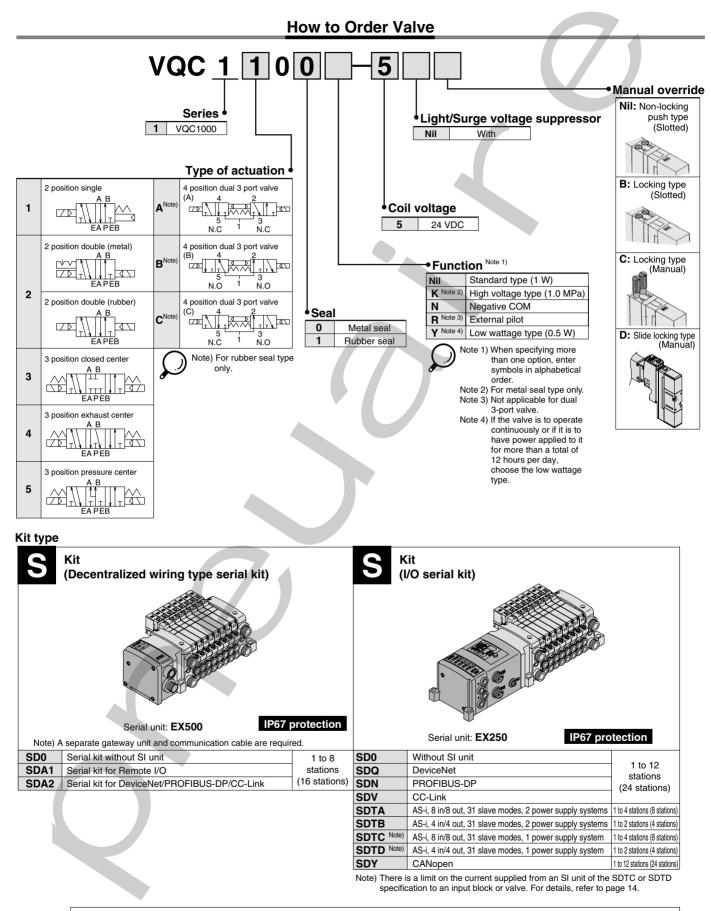








Series VQC Base mounted Plug-in Unit



• For the solenoid valve specifications and dimensions, please refer to VQC catalog (ES11-80).

• Please refer to page 13 for Series EX250 single SI unit dimensions.

• For details of the Series EX250 SI unit, please refer to the technical instruction manual.



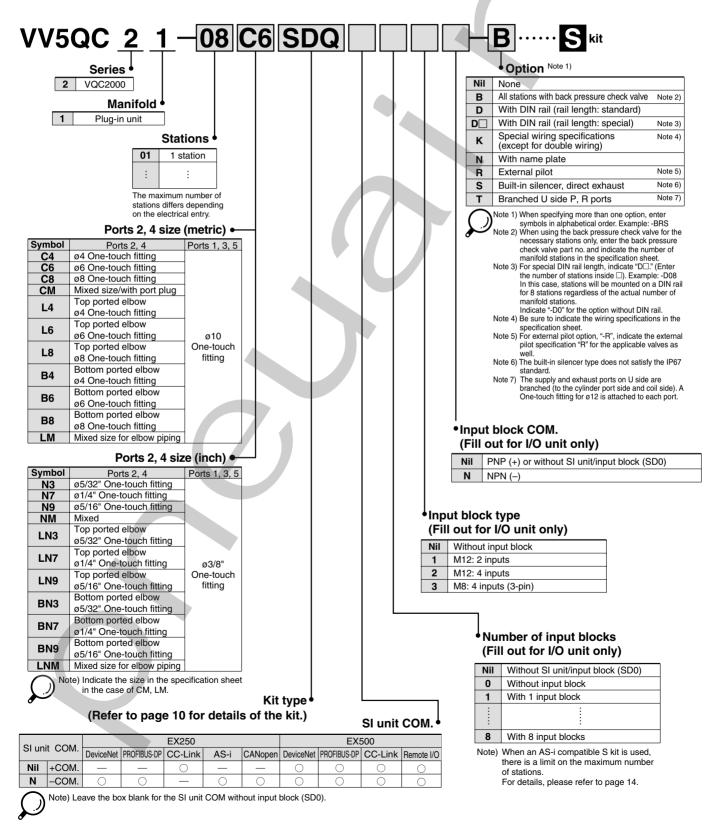


OVIER



conforming to international standards, visit us at www.poweraire.com.

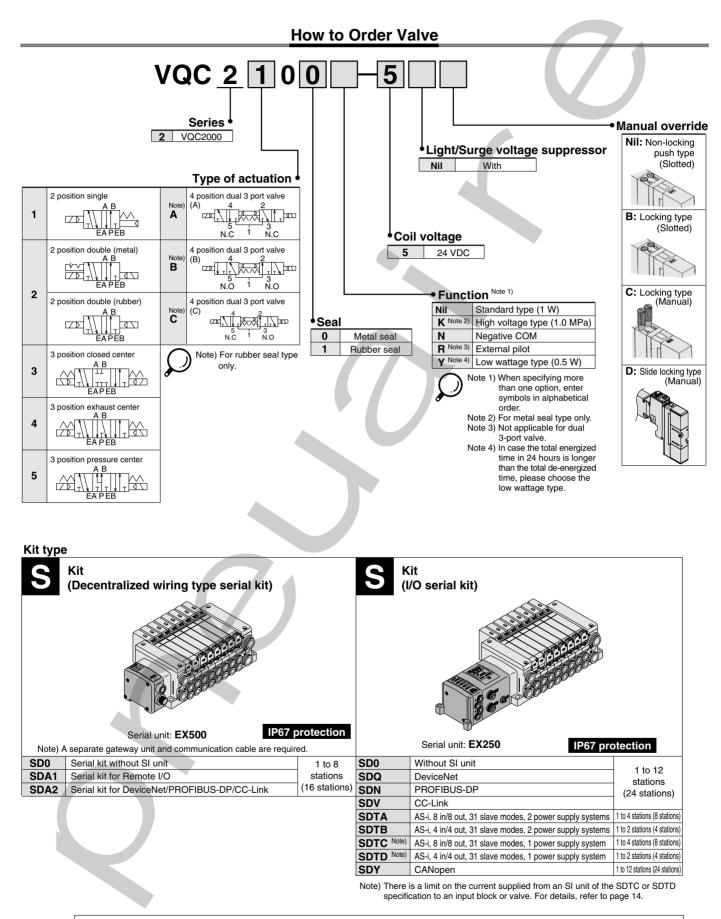
How to Order Manifold







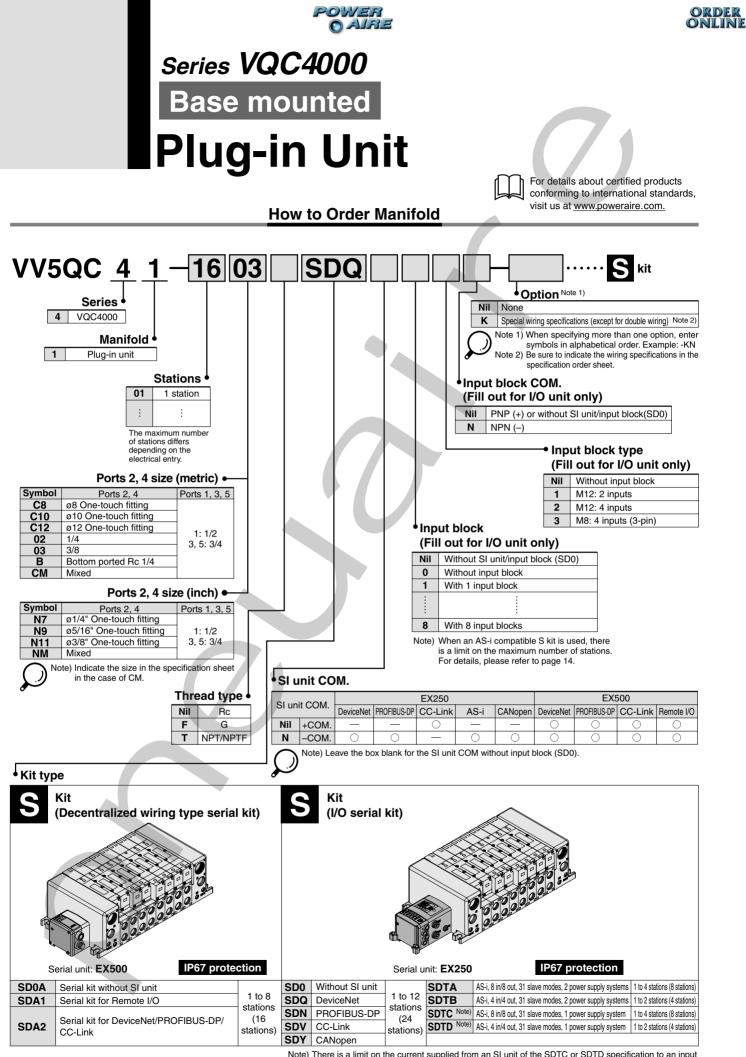
Series VQC Base mounted Plug-in Unit



• For the solenoid valve specifications and dimensions, please refer to VQC catalog (ES11-80).

- Please refer to page 13 for Series EX250 single SI unit dimensions.
- For details of the Series EX250 SI unit, please refer to the technical instruction manual.



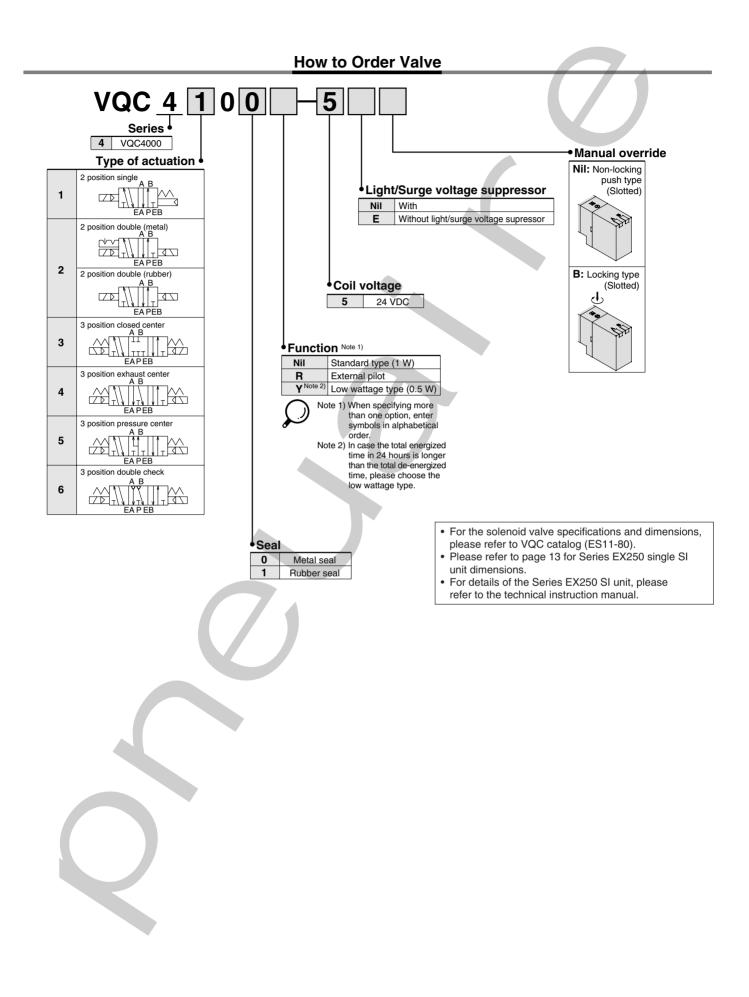


Note) There is a limit on the current supplied from an SI unit of the SDTC or SDTD specification to an input block or valve. For details, refer to page 14.

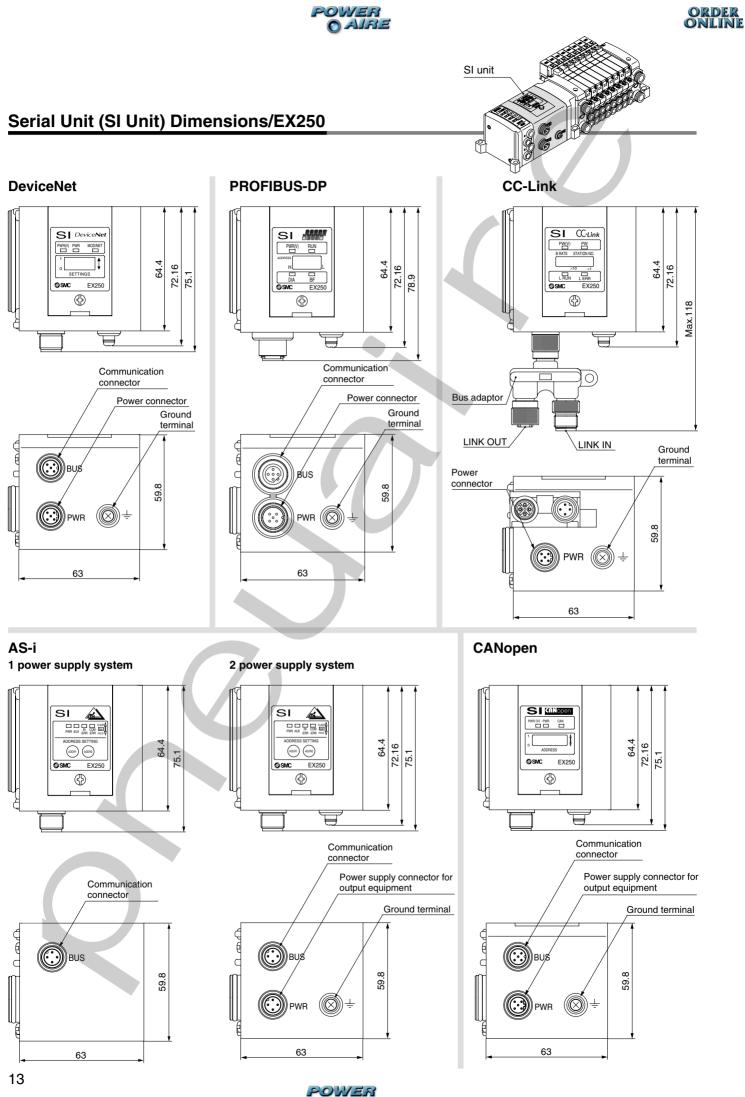




Series VQC Base mounted Plug-in Unit







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