

# Fieldbus System Variations IP67/65 specification models

		I/O separated type			I/O integrated type		
		Valve outputs only		Gateway-type valve outputs only inputs only	Valve outputs with multiple I/O's	Valve outputs with inputs	
		Inputs only					
 Number of valve outputs ↑ ↓ Number of inputs	32						
	16	EX260	EX126	EX500	EX600	EX250	
	16		EX124	EX500	EX600	EX250	
	32	P.769	P.781	P.845	P.815	P.802	
Applicable protocols	EtherNet/IP™	●	●	●	●	●	
	PROFINET	●	●	●	●	●	
	Modbus™TCP	★	●	●	★	★	
	EtherNet POWERLINK	●	●	●	★	●	
	EtherCAT®	●	●	●	●	●	
	CC-Link IE Field	●	●	●	●	★	
	PROFIBUS DP	●	●	●	●	●	
	DeviceNet™	●	●	●	●	●	
	CC-Link	●	●	●	●	●	
	AS-Interface	★	●	●	●	●	
	CANopen	★	●	●	●	●	
	CompoNet™	●	★	●	●	●	
INTERBUS	●	●	●	●	●		
IO-Link	★	●	●	●	●		
Series		EX260	EX126 EX124	EX500	EX600	EX250	
Applicable valve series	SY (Plug-in connector connecting base 10/11/12 type)	3000	●	●	●	●	
		5000	●	●	●	●	
		7000	●	●	●	●	
	S0700 (Stacking base)	0700	●	●	●	●	●
		1000	●	●	●	●	●
		2000	●	●	●	●	●
	SV	3000	●	●	●	●	●
		4000	●	●	●	●	●
		1000	●	●	●	●	●
	VQC	2000	●	●	●	●	●
		4000	●	●	●	●	●
		5000	●	●	●	●	●
VQ	1000	●	●	●	●	●	
	2000	●	●	●	●	●	
	4000	●	●	●	●	●	
5000	●	●	●	●	●		

●: Standard product ★: Made to Order

**■ Trademark**  
 DeviceNet™ is a trademark of ODVA.  
 EtherNet/IP™ is a trademark of ODVA.  
 CompoNet™ is a trademark of ODVA.  
 EtherCAT® is registered trademark and patented technology, licensed by Beckhoff Automation GmbH, Germany.

# Fieldbus System Variations

IP20 specification models

		I/O separated type				I/O integrated type		
		Valve outputs only		Gateway-type valve outputs only inputs only	Valve outputs with multiple I/O's		Valve outputs with inputs	
		Inputs only						
<p>Number of valve outputs ↑</p> <p>Number of inputs ↓</p>	32						<p>P.777</p> <p>P.784</p> <p>P.786</p> <p>P.878</p>	
	16							
	16							
	32							
Applicable protocols	EtherNet/IP™							
	PROFINET							
	Modbus™TCP							
	EtherNet POWERLINK							
	EtherCAT®						★	
	CC-Link IE Field							
	PROFIBUS DP	●		●	●	●		
	DeviceNet™	●		●	●	●		
	CC-Link	●		●	●	●		
	AS-Interface	●						
CANopen	●							
CompoNet™	●							
INTERBUS								
IO-Link								
Series		EX120	EX121	EX122	EX140	EX180	EX510	—
Applicable valve series	SY (Plug-in connector connecting base: 10/11/12 type)	3000	●					
		5000	●					
		7000	●					
	SY (Plug-in metal base: 50/51/52 type)	3000						●
		5000						●
		7000						●
	SJ	2000					●	●
		3000					●	●
	S0700 (Bar stock)	0700				●	●	●
	SY (Bar stock: 42SA type)	3000						●
		5000						●
		7000						●
		3000 (Stacking base: 45S6/43SA type)	●					●
		5000	●					●
	SV	1000	●					
		2000	●					
		3000	●					
		4000	●					
		5000	●					
	VQ	1000	●					●
2000		●					●	
4000		●					●	
SQ	1000				●		●	
	2000				●		●	
	3000				●		●	
VQZ	1000						●	
	2000						●	
	3000						●	
SYJ	3000						●	
	5000						●	
	7000						●	

●: Standard product ★: Made to Order

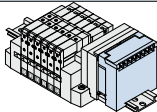
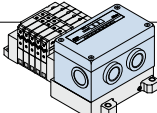
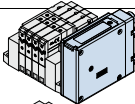
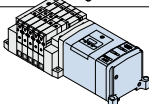
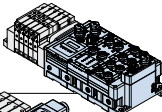
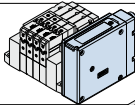
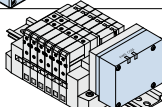
EX12□  
EX140  
EX180  
EX260  
EX250  
EX600  
EX500  
EX510  
PCA  
EX□

# Reduced-wiring Fieldbus System (Serial Transmission)

## Applicable Valve Series 1

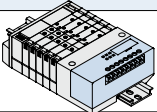
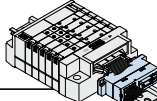
### SV Series

#### ● Plug-in Type

SI unit		Valve series		How to Order valves
	<b>EX120</b> ▶P.777	SV1000/2000	Connector type manifold Cassette base	Best Pneumatics No. 1-2
		SV1000/2000/3000/ 4000	Connector type manifold Tie-rod base	Best Pneumatics No. 1-2
	<b>EX126</b> ▶P.781	SV1000/2000/3000	Connector type manifold Tie-rod base	Best Pneumatics No. 1-2
	<b>EX260</b> ▶P.789			Best Pneumatics No. 1-2
	<b>EX250</b> ▶P.802			Best Pneumatics No. 1-2
	<b>EX600</b> ▶P.815			Best Pneumatics No. 1-2
	Gateway Decentralized System 2 (128 Points) <b>EX500</b> ▶P.845			Best Pneumatics No. 1-2
	Gateway Decentralized System 2 (64 Points) <b>EX500</b> ▶P.845			SV1000/2000
		SV1000/2000/3000/ 4000	Connector type manifold Tie-rod base	Best Pneumatics No. 1-2

### SZ Series

#### ● Plug-in Type

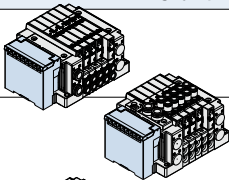
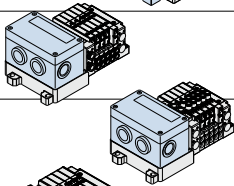
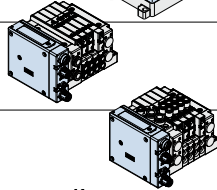
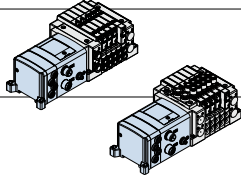

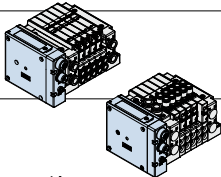
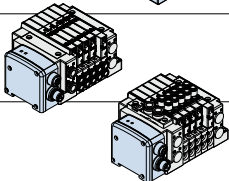
SI unit		Valve series		How to Order valves
	<b>EX140</b> ▶P.784	SZ3000	Cassette type manifold	Best Pneumatics No. 1-2
	<b>EX510</b> ▶P.878			Best Pneumatics No. 1-2

# Reduced-wiring Fieldbus System (Serial Transmission)

## Applicable Valve Series 2

### SY Series

#### ● Plug-in Type

SI unit	Valve series	How to Order valves
	<b>EX120</b> ▶P.777	Connector connecting base Side ported/Bottom ported P.320
		Connector connecting base Top ported P.326
	<b>EX126</b> ▶P.781	Connector connecting base Side ported/Bottom ported P.312
		Connector connecting base Top ported P.318
	<b>EX260</b> ▶P.789	Connector connecting base Side ported/Bottom ported P.304
		Connector connecting base Top ported P.310
	<b>EX250</b> ▶P.802	Connector connecting base Side ported/Bottom ported P.296
		Connector connecting base Top ported P.302
	<b>EX600</b> ▶P.815	Connector connecting base Side ported/Bottom ported P.284
		Connector connecting base Top ported P.294
	Gateway Decentralized System 2 (128 Points) <b>EX500</b> ▶P.845	Connector connecting base Side ported/Bottom ported P.268
		Connector connecting base Top ported P.280
	Gateway Decentralized System 2 (64 Points) <b>EX500</b> ▶P.845	Connector connecting base Side ported/Bottom ported P.274
		Connector connecting base Top ported P.282

**Plug-in**  
**SY3000/5000/7000**

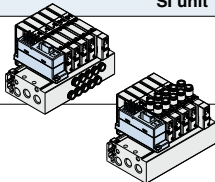
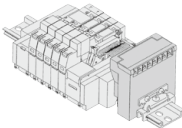
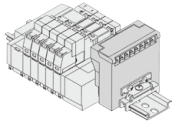
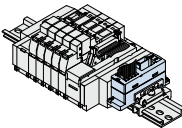
EX12□  
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EX180  
EX260  
EX250  
EX600  
EX500  
EX510  
PCA  
EX□

# Reduced-wiring Fieldbus System (Serial Transmission)

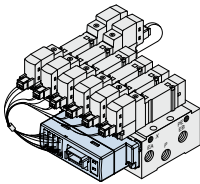
## Applicable Valve Series 3

### SY Series

#### ● Plug-in Type

SI unit		Valve series		How to Order valves
	<b>EX510</b> ▶P.878	<b>Plug-in</b> SY3000/5000/7000	Metal base Side ported/ Bottom ported	P.196
			Metal base Top ported	P.206
	<b>EX121</b> ▶P.777	<b>SY3000/5000</b>	Base mounted Stacking type SI unit separate type	P.597
	<b>EX122</b> ▶P.777		Base mounted Stacking type SI unit separate type	P.594
	<b>EX510</b> ▶P.878		Base mounted Stacking type	P.604

#### ● Non Plug-in Type (Plug Lead Type)

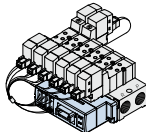
SI unit		Valve series		How to Order valves
	<b>EX510</b> ▶P.878	<b>SY3000/5000/7000</b>	Body ported Bar stock type	P.458
			Base mounted Bar stock type	P.520
		<b>SY3000/5000</b>	Base mounted Stacking type	P.556
		<b>SY9000</b>	Body ported Stacking type	P.464
			Base mounted Stacking type	P.525

# Reduced-wiring Fieldbus System (Serial Transmission)

## Applicable Valve Series 4

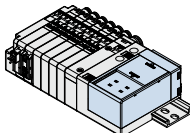
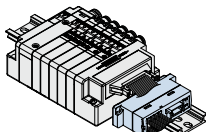
### SYJ Series

#### ● Non Plug-in Type (Plug Lead Type)

SI unit	Valve series		How to Order valves
	<b>EX510</b> ▶ P.878	<b>SYJ3000/5000/7000</b>	Body ported Best Pneumatics No. 1-2
			Base mounted Best Pneumatics No. 1-2

### SJ Series

#### ● Plug-in Type

SI unit	Valve series		How to Order valves
	<b>EX180</b> ▶ P.786	<b>SJ2000/3000</b>	Connector connecting cassette type manifold
			

EX12□

EX140

EX180

EX260

EX250

EX600

EX500

EX510

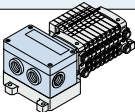
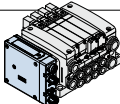
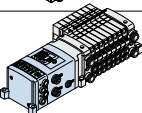
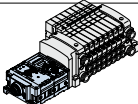
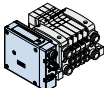
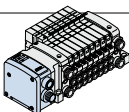
PCA  
EX□

# Reduced-wiring Fieldbus System (Serial Transmission)

## Applicable Valve Series 5

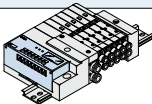
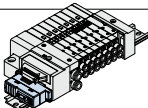
### VQC Series

#### ● Plug-in Type

SI unit		Valve series		How to Order valves
	<b>EX126</b> ▶ P.781	<b>VQC1000/2000/ 4000/5000</b>	Base mounted	Best Pneumatics No. 1-2
	<b>EX260</b> ▶ P.789			Best Pneumatics No. 1-2
	<b>EX250</b> ▶ P.802			Best Pneumatics No. 1-2
	<b>EX600</b> ▶ P.815			Best Pneumatics No. 1-2
	Gateway Decentralized System 2 (128 Points) <b>EX500</b> ▶ P.845			Best Pneumatics No. 1-2
	Gateway Decentralized System 2 (64 Points) <b>EX500</b> ▶ P.845			Best Pneumatics No. 1-2

### SQ Series

#### ● Plug-in Type

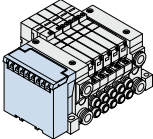
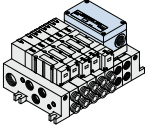
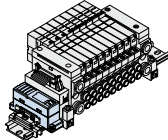
SI unit		Valve series		How to Order valves
	<b>EX140</b> ▶ P.784	<b>SQ1000/2000</b>	Body ported	Best Pneumatics No. 1-2
	<b>EX510</b> ▶ P.878			Best Pneumatics No. 1-2

# Reduced-wiring Fieldbus System (Serial Transmission)

## Applicable Valve Series 6

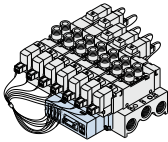
### VQ Series

#### ● Plug-in Type

SI unit		Valve series		How to Order valves
	<b>EX120</b> ▶P.777	<b>VQ1000/2000</b>	Base mounted	Best Pneumatics No. 1-2
	<b>EX123</b> <b>EX124</b> ▶P.781	<b>VQ2000/4000/5000</b>	Base mounted IP65-compliant	Best Pneumatics No. 1-2
	<b>EX510</b> ▶P.878	<b>VQ1000/2000</b>	Base mounted	Best Pneumatics No. 1-2

### VQZ Series

#### ● Non Plug-in Type (Plug Lead Type)

SI unit		Valve series		How to Order valves
	<b>EX510</b> ▶P.878	<b>VQZ1000/2000/ 3000</b>	Body ported	Best Pneumatics No. 1-2
			Base mounted	Best Pneumatics No. 1-2

EX12□  
EX140  
EX180  
EX260  
EX250  
EX600  
EX500  
EX510  
PCA  
EX□

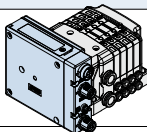
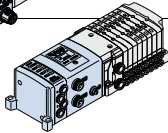
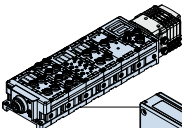
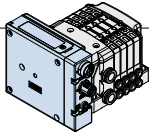
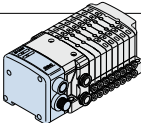


# Reduced-wiring Fieldbus System (Serial Transmission)

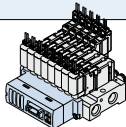
## Applicable Valve Series 7

### S0700 Series

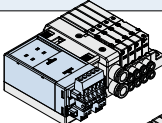
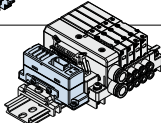
#### ● Plug-in Type

SI unit		Valve series		How to Order valves
	<b>EX260</b> ▶ P.789	<b>S0700</b>	Base mounted	P.676
	<b>EX250</b> ▶ P.802			P.678
	<b>EX600</b> ▶ P.815			P.680
	Gateway Decentralized System 2 (128 Points) <b>EX500</b> ▶ P.845			P.684
	Gateway Decentralized System 2 (64 Points) <b>EX500</b> ▶ P.845			P.686

#### ● Non Plug-in Type (Plug Lead Type)

SI unit		Valve series		How to Order valves
	<b>EX510</b> ▶ P.878	<b>S0700</b>	Base mounted	P.753

#### ● Slim Compact (Plug-in Type)

SI unit		Valve series		How to Order valves
	<b>EX180</b> ▶ P.786	<b>S0700</b>	Base mounted	P.654
	<b>EX510</b> ▶ P.878			P.656