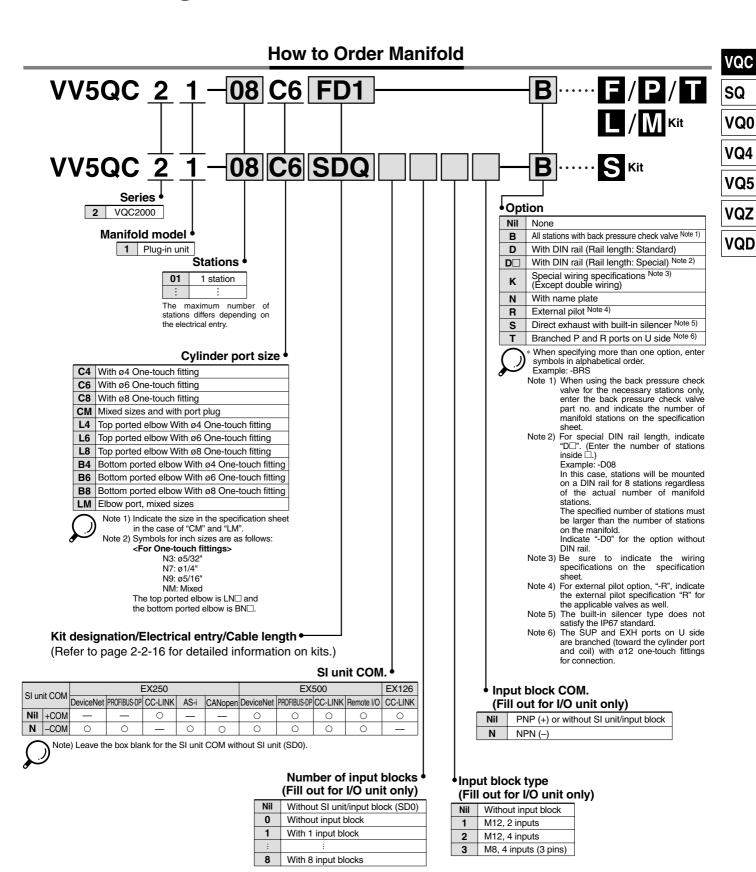
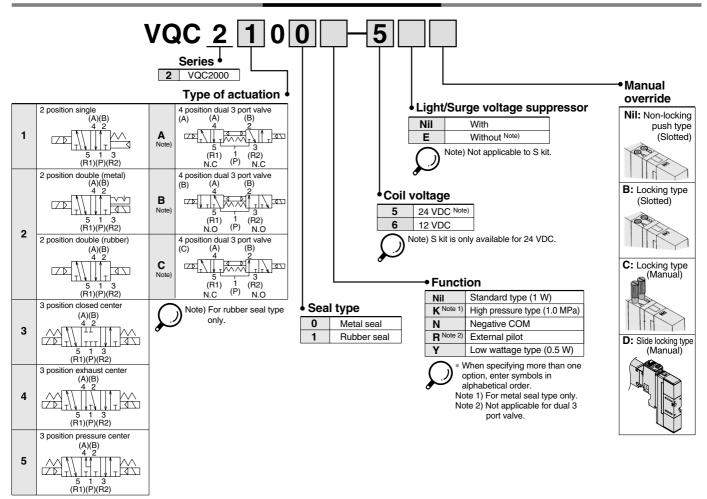
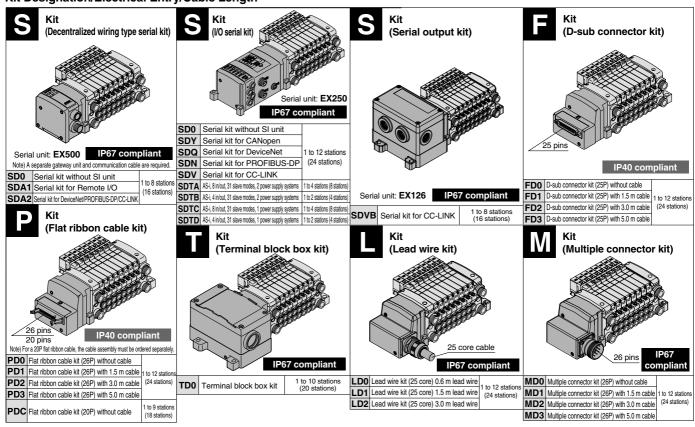
# Series VQC2000 Base Mounted Plug-in Unit



#### **How to Order Valves**



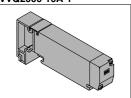
#### Kit Designation/Electrical Entry/Cable Length



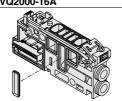
## Plug-in Unit Series VQC2000

#### **Manifold Option**

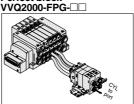
Blanking plate assembly VVQ2000-10A-1



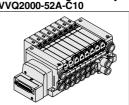
SUP block plate VVQ2000-16A



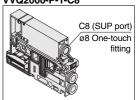
Perfect block VVQ2000-FPG-□□



Dual flow fitting assembly VVQ2000-52A-C10



Individual SUP spacer VVQ2000-P-1-C8



VQC

SQ

VQ0

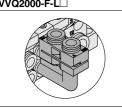
VQ4

VQ5

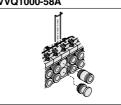
**VQZ** 

**VQD** 

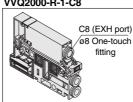
Elbow fitting assembly VVQ2000-F-L□



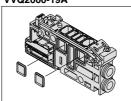
Port plug VVQ1000-58A



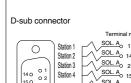
Individual EXH spacer VVQ2000-R-1-C8



EXH block plate VVQ2000-19A



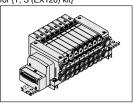
Electrical wiring specifications [-K]



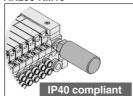
SOL. A<sub>O</sub> 14 SOL. A 2 SOL. A 15 140 01 150 02 150 03 160 03 170 04 170 05 180 05 190 07 200 08 210 08 220 010 230 010 240 011 250 012 SOL. A<sub>O</sub> 3 SOL. B<sub>O</sub> 16 Station 5 -SOL. A SOL B 17 SOL. B SOL. B SOL. B 19  $\circ$ Connector terminal no

DIN rail mounting bracket [-D] **VVQC2000-57A** for {F, L, M, P, S (EX500) kit} VVQC2000-57A-S

for {S (EX250) kit} VVQC2000-57A-T for {T, S (EX126) kit}



Silencer (for EXH port) AN200-KM10



Back pressure check valve assembly [-B] VVQ2000-18A

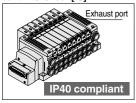


Name plate [-N] VVQ2000-N-Stations (1 to max. no. of stations)

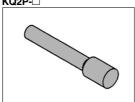


Standard manifolds are for double wiring, but mixed wiring (single and double wiring) can be specified as options.

Direct EXH outlet with built-in silencer [-S]



Blanking plug KQ2P-□



# Series VQC **Base Mounted Plug-in Unit**



#### JIS Symbol

2 position single



2 position double (metal)



2 position double (rubber)



3 position closed center



3 position exhaust center



3 position pressure center



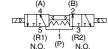
3 position exhaust center with pressure release valves (A) (B)



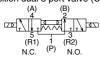
4 position dual 3 port valve (A)



4 position dual 3 port valve (B)



4 position dual 3 port valve (C)



#### 2-2-22

#### Model

m	S No. of					Flov	v char	acteristics			Response time (ms)		
Series	0.	No. of	Mode	el	1 → 4, 2 (	$P \rightarrow A$	, B)	4, 2 → 5, 3 (A,	$B \rightarrow F$	R1, R2)	Standard:	Low	Weight
S	solenoids				C[dm3/(s•bar)]	b	Cv	C[dm3/(s•bar)]	b	Cv	1 W	wattage	(g)
	ر	Single	Metal seal	VQC1100	0.70	0.15	0.16	0.72	0.25	0.18	12 or less	15 or less	64
	position		Rubber seal	VQC1101	0.85	0.20	0.21	1.0	0.30	0.25	15 or less	20 or less	04
	2 po	Double	Metal seal	VQC1200	0.70	0.15	0.16	0.72	0.25	0.18	10 or less	13 or less	
		Double	Rubber seal	VQC1201	0.85	0.20	0.21	1.0	0.30	0.25	15 or less	20 or less	
0		Closed	Metal seal	VQC1300	0.68	0.15	0.16	0.72	0.25	0.18	20 or less	26 or less	
VQC1000		center	Rubber seal	VQC1301	0.70	0.20	0.16	0.65	0.42	0.18	25 or less	33 or less	
ğ	position	Exhaust	Metal seal	VQC1400	0.68	0.15	0.16	0.72	0.25	0.18	20 or less	26 or less	78
_		center	Rubber seal	VQC1401	0.70	0.20	0.16	1.0	0.30	0.25	25 or less	33 or less	′
	3	Pressure	Metal seal	VQC1500	0.70	0.15	0.16	0.72	0.25	0.18	20 or less	26 or less	
		center	Rubber seal	VQC1501	0.85	0.20	0.21	0.65	0.42	0.18	25 or less	33 or less	
	4 position	Dual 3 port valve	Rubber seal	VQC1e01	0.70	0.20	0.16	0.70	0.20	0.16	25 or less	33 or less	
	ı	0: 1	Metal seal	VQC2100	2.0	0.15	0.46	2.6	0.15	0.60	22 or less	29 or less	90
	2 position	Single	Rubber seal	VQC2101	2.2	0.28	0.55	3.2	0.30	0.80	24 or less	31 or less	90
		Double	Metal seal	VQC2200	2.0	0.15	0.46	2.6	0.15	0.60	15 or less	20 or less	-
		Double	Rubber seal	VQC2201	2.2	0.28	0.55	3.2	0.30	0.80	20 or less	26 or less	
0	3 position	Closed	Metal seal	VQC2300	2.0	0.15	0.46	2.0	0.18	0.46	29 or less	38 or less	
VQC2000		center	Rubber seal	VQC2301	2.0	0.28	0.49	2.2	0.31	0.60	34 or less	44 or less	
ဝွ		Exhaust	Metal seal	VQC2400	2.0	0.15	0.46	2.6	0.15	0.60	29 or less	38 or less	110
>		center	Rubber seal	VQC2401	2.0	0.28	0.49	3.2	0.30	0.80	34 or less	44 or less	110
		Pressure	Metal seal	VQC2500	2.4	0.17	0.57	2.0	0.18	0.46	29 or less	38 or less	
		center	Rubber seal	VQC2501	3.2	0.28	0.80	2.2	0.31	0.60	34 or less	44 or less	
	4 position	Dual 3 port valve	Rubber seal	VQC2B01	1.8	0.28	0.46	1.8	0.28	0.46	34 or less	44 or less	
	ر	Single	Metal seal	VQC4100	6.2	0.19	1.5	6.9	0.17	1.7	20 or less	22 or less	230
	position	Olligie	Rubber seal	VQC4101	7.2	0.43	2.1	7.3	0.38	2.0	25 or less	27 or less	
	2 po	Double	Metal seal	VQC4200	6.2	0.19	1.5	6.9	0.17	1.7	12 or less	12 or less	260
		Double	Rubber seal	VQC4201	7.2	0.43	2.1	7.3	0.38	2.0	15 or less	15 or less	
0		Closed	Metal seal	VQC4300	5.9	0.23	1.5	6.3	0.18	1.6	45 or less	47 or less	
400		center	Rubber seal	VQC4301	7.0	0.34	1.9	6.4	0.42	1.9	50 or less	52 or less	
VQC4000	_	Exhaust	Metal seal	VQC4400	6.2	0.18	1.5	6.9	0.17	1.7	45 or less	47 or less	280
	position	center	Rubber seal	VQC4401	7.0	0.38	1.9	7.3	0.38	2.0	50 or less	52 or less	
	3 po	Pressure	Metal seal	VQC4500	6.2	0.18	1.9	6.4	0.18	1.6	45 or less	47 or less	
		center	Rubber seal	VQC4501	7.0	0.38	1.9	7.1	0.38	2.0	50 or less	52 or less	
		Perfect	Metal seal	VQC4600	2.7	_	_	3.7		_	55 or less	57 or less	500
		Torroot	Rubber seal	VQC4601	2.8	_	_	3.9		_	62 or less	64 or less	
_	- NI	-4- 4\ \/-l	s represented	n thin natur	nn ara in tha	والمعوارة		ditional					

Note 1) Values represented in this column are in the following conditions:

VQC1000: Cylinder port size C6 without a back pressure check valve

VQC2000: Cylinder port size C8 without a back pressure check valve VQC4000: Cylinder port size Rc 3/8

Note 2) Values represented in this column are based on JIS B 8375-1981 (operating with clean air and a supply pressure of 0.5 MPa. Equipped with light/surge voltage suppressor. Values vary depending on the pressure as well as the air quality.) Values for double types are when the switch is ON.

#### **Standard Specifications**

	Valve Configuration				Metal seal	Rubber seal			
	Fluid				Air/Inert gas				
	8	Max. operating pressure			0.7 MPa (High pressure type: 1.0 MPa) Note 4)				
	VQC1000/2000		Singl	е	0.1 MPa	0.15 MPa			
	00	Min. operating	Doub	ole	0.1 M	MPa			
	ည	pressure	3 pos	sition	0.1 MPa	0.2 MPa			
ions	×		4 pos	sition	ĺ	0.15 MPa			
ficati	0	Max. operating p	ressur	e Note 3)	1.0 MPa (	(0.7 MPa)			
Valve specifications	VQC4000	Min operating	Singl	е	0.15 MPa	0.2 MPa			
/e s	စ္ပ	Min. operating pressure	Doub	ole	0.15 MPa				
Vaj	>		3 pos	sition	0.15 MPa	0.2 MPa			
	Proof pressure				1.5 MPa				
	Ambient and fluid temperature				-10 to 50°C Note 1)				
	Lu	brication			Not required				
	Manual override				Push type/Locking type (tool required)/Locking type (Manual override) Note 5)/Slide locking type Note 5				
	Impact resistance/Vibration resistance				150/30 m/s <sup>2 Note 2)</sup>				
	Enclosure				Dust proof (IP67 compliant)				
	Rated coil voltage				24 VDC				
tions tions	Allowable voltage fluctuation				±10% of rated voltage				
Electrical specifications	Coil insulation type				Equivalent to B type				
Ele	Po	wer consumption		24 VDC	1 W DC (42 mA), 0.5 W DC (21 mA)				
0)	(C	(Current) 12 VDC			1 W DC (83 mA), 0.5 W DC (42 mA)				

Note 1) Use dry air to prevent condensation at low temperatures.

Note 2) Impact resistance: No malfunction resulted from the impact test using a drop impact tester. The test was performed one time each in the axial and right angle directions of the main valve and armature, for both energized and de-energized states.

Vibration resistance: No malfunction occurred in a one-sweep test between 45 and 2000Hz. Test was performed in the axial and right angle directions of the main valve and armature for both energized and de-energized states.

Note 3) Values in ( ) are for the low wattage (0.5 W) specification.

Note 4) Metal seal type only.

Note 5) Only for VQC1000/2000.

#### **Manifold Specifications**

Vacation   Vacation					Piping specificat	ions	Note 2)	Applicable	5 station
VQC1000   VV5QC11-□□□   VV5QC21-□□□   VV5QC41000   VV5QC41-□□□   VQC4000   VV5QC41-□□□   VV5QC41000   VV5QC41-□□□   VV5QC41-□□□   VQC4000   VV5QC41-□□□   VV5QC41-□□   VV5QC41-□□   VV5QC41-□□   VV5QC41-□□   VV5QC41-□□	Series	Base model	Connection type				Applicable stations	solenoid	
VQC1000         VV5QC11-□□□         Side         Options Direct outlet with built-in silencer         CA (For ø4) C6 (For ø6) M5 (M5 threads)         CA (For ø4) to 10 stations)         VQC1□01-5 (Single)         VQC2□00-5 (Single)         VQC2□01-5 (Single)				direction	1, 3 (P, R)	2, 4 (A, B)		valves	(g)
VQC2000         VV5QC21-□□□□         Side         C10 (For ø10) Options Direct outlet with built-in silencer Branch type C12 (for ø12)         C4 (For ø4) C8 (For ø8)         C4 (For ø4) C8 (For ø8)         VQC2□00-5 VQC2□00-5 VQC2□01-5 (Single)         1051 (Single) VQC2□01-5 (Single)         1144 (Double, 3P)           VQC4000         VV5QC41-□□□         M Kit: Multiple connector         Side         P: Rc 1/2 Rc 1/4 Rc 3/8         C8 (For ø8) C10 (For ø10) C12 (For ø12)         (F, L, M and P kits) 1 to 10 stations) S kit (without unit) 1 to 10 stations) S kit (without unit) 1 to 12 stations: EX240, EX250         VQC4□01-5 VQC4□01-5 (Without unit) 1 to 12 stations: EX240, EX250         VQC4□01-5 VQC4□01-5 (Without unit) 1 to 10 stations) S kit (without unit) 1 to 12 stations: EX240, EX250         VQC4□01-5 (Without unit) 1 to 10 stations) S kit (without unit) 1 to 12 stations: EX240, EX250         VQC4□01-5 (Without unit) 1 to 10 stations) S colenoid weight is not weight is no	VQC1000	VV5QC11-□□□		Side	Options Direct outlet with built-in	C4 (For ø4) C6 (For ø6)	1 to 12 stations / T kit 1 to 10 stations	VQC1□00-5 VQC1□01-5	(Single) 759
VQC4000   VV5QC41-□□□   Side   P: Rc 1/2   R: Rc 3/4   R: Rc 3/8   R: Rc 3/8   Side   C3 (For Ø8)   (1 to 12 stations / T kit / 1 to 10 stations)   VQC4□01-5   VQC4□01-5   VQC4□01-5   Solenoid weight is not weight in the property of th	VQC2000	VV5QC21-□□□	■ P Kit: Flat cable ■ T Kit: Terminal block box ■ S Kit: Serial transmission	Side	Options Direct outlet with built-in silencer Branch type	C6 (For ø6)	1 to 8 stations: EX500 1 to 12 stations: EX250 1 to 8 stations:		(Single) 1144
Bottom Rc 1/4 1 to 8 stations: included.	VQC4000	VV5QC41-□□□				C10 (For Ø10) C12 (For Ø12) Rc 1/4 Rc 3/8	1 to 12 stations / T kit (1 to 10 stations) / S kit (1 to 12 stations: EX240, EX250 1 to 8 stations:	VQC4□00-5	• S kit (without unit)

Note 1) One-touch fittings in inch sizes are also available.

Note 2) An optional specification for special wiring is available to increase the maximum number of stations.



VQ0

**VQC** 

SQ

**VQZ** 

VQ4

#### Series VQC

# VQC1000/2000/4000 Kit (Serial Transmission Kit) for I/O IP67 compliant

#### Compatible network

#### DeviceNet/PROFIBUS-DP/CC-Link

• The serial transmission system greatly reduces connection work, minimizes wiring, and saves space.

#### SI unit for DeviceNet/PROFIBUS-DP/CC-LINK

As a DeviceNet/PROFIBUS-DP/CC-LINK slave unit, this kit is capable of up to 32 points of solenoid valve ON and OFF control.

Furthermore, by connecting an input block, a maximum 32 sensor signal inputs are possible.

#### SI unit for AS-i

As a AS-i slave unit, this kit is capable of up to 4 or 8 points of solenoid valve ON and OFF control.

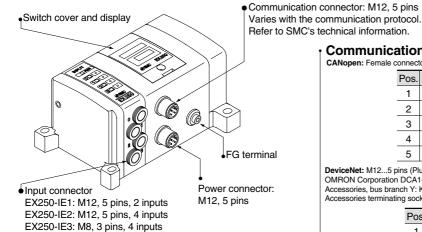
Furthermore, by connecting an inmput block, a maximun 4 or 8 sensor signal inputs are possible.

#### Input block

This expansion block connects to the SI unit and allows for sensor input to the auto switches.

Each input block can receive input from up to two or four sensors, and the common can be matched to the sensor by an NPN/PNP selector switch. Input connectors are available in both M8 and M12 types.

#### **Connector Details**



#### Circuit diagram Input module (EX250-IE\*)

Input connection: M12 ... 5 pins (Socket)
Example for the cable side connection: OMRON Corporation XS2G; Karl Lumberg GmbH: Series RST5: Franz Binder GmbH: Series 713.763



Pos.	Description	Function
1	SW+	Sensor power supply +
2	N.C (SIGNAL)	Open*
3	SW-	Sensor power supply –
4	SIGNAL	Sensor input signal
5	E	Sensor ground connection

\* In the 4 input type unit (EX250-IE2), this is the input signal from the second sensor connected

#### Communication connector

CANopen: Female connector cable: M12 female 5 pins cable with shield (according to ISO11898).

	Pos.	Description	Function
	1 CAN_SHLD		Shield
	2	CAN_V+	Power supply +
	3 CAN_GND 4 CAN_H		Power supply -
			Bus line (dominant High)
	5	CAN_L	Bus line (dominant Low)



 $\label{eq:DeviceNet: M12...5 pins (Plug) Example for a cable set with plug / socket: OMRON Corporation DCA1-5CN05F1. Karl Lumberg GmbH: 0935 253 103/...M, RSC RKC 57*$ Accessories, bus branch Y: Karl Lumberg GmbH: 0906 UTP 101, Hans Turck GmbH: VB2-FKM-FSM57. Accessories terminating socket with resistor: Hans Turck GmbH: RSE57-TR2, Karl Lumberg GmbH: 0939 CXT 101.

Pos.	Description	Function		
1 Drain		Drain / shield		
2	V+	Circuit power supply +		
3	V-	Circuit power supply -		
4	CAN_H	Signal H		
5	CAN_L	Signal L		



PROFIBUS-DP: M12... 5 pins reserve-keyed (Socket). Example for the corresponding cable sets with plug / socket: Hans Turck GmbH: RSSW-RKSW456...M; Karl Lumberg GmbH: 0975 254 101/...M Accessories Bus branch Y: Hans Turck GmbH: VB2/FSW/FKW/FSW45

Accessories terminating resistor: Hans Turck GmbH: RSS4.5-PDP-TR; Karl Lumberg GmbH: 0979PTX101

Pos.	Description	Function
1	VP	Power supply for terminating resistor
2	A-N	Negative for data transfer/reception
3	DGND	Ground for terminating resistor
4	B-P	Positive for data transfer/reception
5	SHIELD	Shield



#### Power supply

**DeviceNet::** M12 ... 5 pins reserve-keyed (Plug) (The configuration of the connection surface area differs from that of the transmission plug)

Example of the cable set with socket: Hans Turck GmbH: WAKW4.5T-2, Franz Binder GmbH: 79-4449-..-05

				_	R	
	0000		BUS PWR			
/						

os.	Description	Function			
1	SV24V	+24 V solenoid valve			
2	SV0V	0V solenoid valve			
3	SW24V	+24 V SI and input blocks			
4	SW0V	0 V SI and input blocks			
5	E	Ground connection			
	1 2 3 4	1 SV24V 2 SV0V 3 SW24V 4 SW0V			



PROFIBUS-DP: M12...5 pins (Plug) Example of the cable set with socket SMC: EX500-AP...S (See page 2-2-25.)

Ī	Pos.	Description	Function
	1	SV24V	+24 V solenoid valve
	2	SV0V	0 V solenoid valve
	3	SW24V	+24 V SI and input blocks
	4	SW0V	0 V SI and input blocks
	5	Е	Ground connection





Example for cable side connection: Franz Binder GmbH Series 718, 768 Karl Lumberg GmbH: Series RSMV3



Pos	. Description	Function		
1	SW+	Sensor power supply +		
3	SW-	Sensor power supply -		
4	SIGNAL	Sensor input signal		



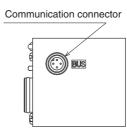
# Plug-in Unit Series VQC

#### AS-i EX250-SAS7 / EX250-SAS9

Communication connector: M12 male 4 pins



-			
Ī	Pos. Description		Function
	1	AS-i +	Positive AS-Interface line
	2	RESERVE	RESERVE
	3	AS-i –	Negative AS-Interface line
	4	RESERVE	RESERVE



Connection example

M12 Cable Recommendation
Conductor cross-section 1.5 mm²

BUS

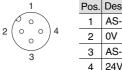
AS-i Standard cable
(YELLOW CABLE)

EX250-SAS7

Connector for T-branch
ASI FK M12
Hirschmann etc.
(IEC 603526)

#### AS-i EX250-SAS3 / EX250-SAS5

Communication connector: M12 male 4 pins



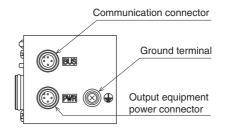
Pos.	Description	Function		
1	AS-i +	Positive AS-Interface line		
2	OV	Negative output equipment power line	←	
3	AS-i –	Negative AS-Interface line		
4	24V	Positive output equipment power line	$\leftarrow$	

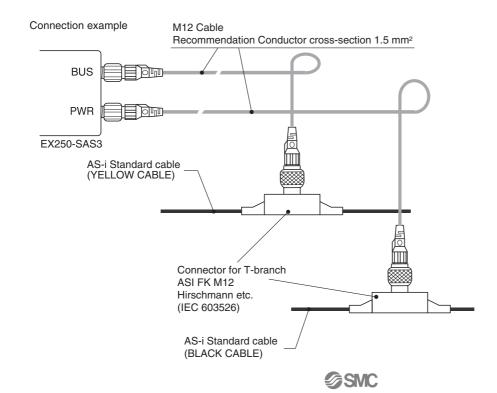
#### Output equipment power connector: M12 male 4 pins



Pos.	Description	Function						
1	24V	Positive output equipment power line	_					
2	NC	Not connected						
3	0V	Negative output equipment power line	_					
4	NC	Not connected						
			-					

<sup>\*</sup> Connected inside the SI unit.





SQ

VQ0

VQ4

VQ5

VQZ

VQD



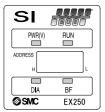
#### Indicator Unit (LED) Description and Its Function

#### ■ SI unit DeviceNet (EX250-SDN1)



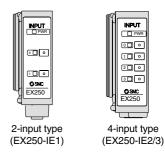
Name	Function
PWR(V)	ON when solenoid valve power supply is turned ON.
PWR	ON when DeviceNet circuit power supply input is turned ON.
	OFF: Power supply off, off line, or when checking duplication of MAC_ID.
	GREEN BLINKING: Waiting for connection (on line).
MOD/NET	GREEN ON: Connection established (on line).
WOD/NET	RED BLINKING: Connection time out (minor communication abnormality).
	RED ON: MAC_ID duplication error, or BUSOFF error (major communication abnormality).

#### ■ PROFIBUS-DP (EX250-SPR1)



Name	Function								
DWD()()	GREEN ON when solenoid valve power supply is turned ON.								
PWR(V)	GREEN OFF when the power supply voltage is less than 19 V.								
RUN	GREEN ON when operating (SI unit power supply is ON).								
DIA	RED ON when self diagnosis device detects abnormality.								
BF	RED ON for BUS abnormality.								

#### ■ Input block (EX250-IE1/2/3)

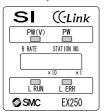


Description	Function						
PWR	ON when sensor power is turned ON.						
0 to 1(3)	ON when each sensor input goes ON.						



\* Please contact your SMC representative for specifications and handling precautions.

#### ■ CC-Link (EX250-SMJ2)



Name	Function
PW	ON: Input and control unit power supply ON. OFF: Input and control unit power supply OFF.
PW(V)	ON: Solenoid valve power supply ON. OFF: Solenoid valve power supply voltage is less than 19 V.
L RUN	ON: Normal traffic OFF: Traffic disconnected (Timeover error)
L ERR	ON: Traffic error BLINKING: Station or baud rate switch is set while the power supply is ON. OFF: Normal traffic

When the data link is normal, PW, PW (V) and L RUN are ON.

#### ■ AS-i (EX250-SAS□)



Name	LED Condition	Contents								
PWR	Green Light	In time of power supply for AS-Interface line is turned on.								
AUX	Green Light	In time of auxiliary power supply for output equipment is turned on.								
IN-ERR	Red Light	In time of input power is detected over current. (Lights off at normal condition)								
COM-	Red Light	In time of communication error. (Lights off at normal condition)								
ERR	Red Blink	In time of peripheral equipment error. (Over current of input power, blowing the fuse etc.)								

# ■ SI unit CANopen (EX250-SCA1)



Name	LED Condition	Contents						
PWR(V)	Green Light	Illuminates when power for solenoid valves is supplied						
PVVH(V)	Green Light	Illuminates when power for CANopen line is supplied						
PWR	Green Light	Illuminates when SI unit is in the Operational state						
	Green Light (Blinking)	SI unit is in the Pre-operational state						
	Green Light (Single flash)	Single flash when SI unit is in Stopped state Single flash when CAN controller error occurs Double flash when Error Control Event occurs						
CANI	Red Light (Single flash)							
CAN	Red Light (Double flash)							
	Green/Red Light	Flickering when SI unit is in Configuration mode						
	(flickering)	(LSS services)						
	Red Light	Red Light SI unit is in "Bus OFF" state						

VQC

SQ

VQ0

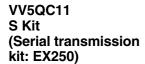
VQ4

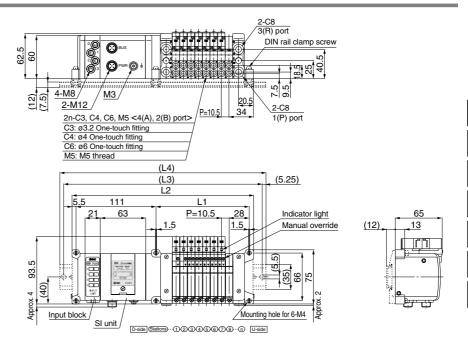
VQ5

**VQZ** 

**VQD** 

### Plug-in Unit Series VQC





Formulas

L1 = 10.5n + 45 (Maximum 24 single wiring stations)

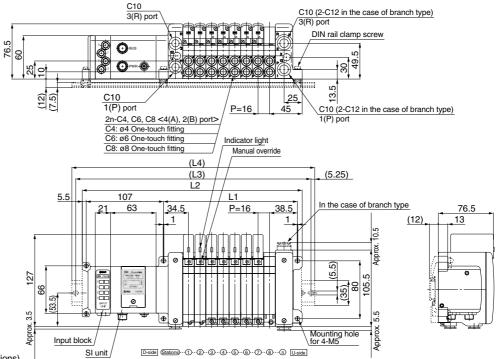
\* L2: For one input block. Add 21 mm for each additional input block

n: Stations n 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24

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L1	55.5	66	76.5	87	97.5	108	118.5	129	139.5	150	160.5	171	181.5	192	202.5	213	223.5	234	244.5	255	265.5	276	286.5	297
L2	178	188.5	199	209.5	220	230.5	241	251.5	262	272.5	283	293.5	304	314.5	325	335.5	346	356.5	367	377.5	388	398.5	409	419.5
L3	200	212.5	225	237.5	250	250	262.5	275	287.5	300	312.5	325	325	337.5	350	362.5	375	387.5	387.5	400	412.5	425	437.5	450
L4	210.5	223	235.5	248	260.5	260.5	273	285.5	298	310.2	323	335.5	335.5	348	360.5	373	385.5	398	398	410.5	423	435.5	448	448
* With cir	* With signal cut block I.4 is obtained by adding approximately 30 mm to L2																							

With signal cut block, L4 is obtained by adding approximately 30 mm to L2

VV5QC21 S Kit (Serial transmission kit: EX250)



Formulas

L1 = 16n + 57 (Maximum 24 single wiring stations)

n. Stations \* L2: For one input block. Add 21 mm for each additional input block L1 L2 L3 212.5 237.5 250 262.5 275 287.5 312.5 337.5 362.5 375 387.5 400 437.5 462.5 487.5 500 512.5 537.5 562.5 587.5 260.5 273 285.5 298 335.5 348 373 385.5 398 410.5 435.5 448 460.5 473 510.5 523 560.5 573 | 598

<sup>\*</sup> With signal cut block, L4 is obtained by adding approximately 30 mm to L2.