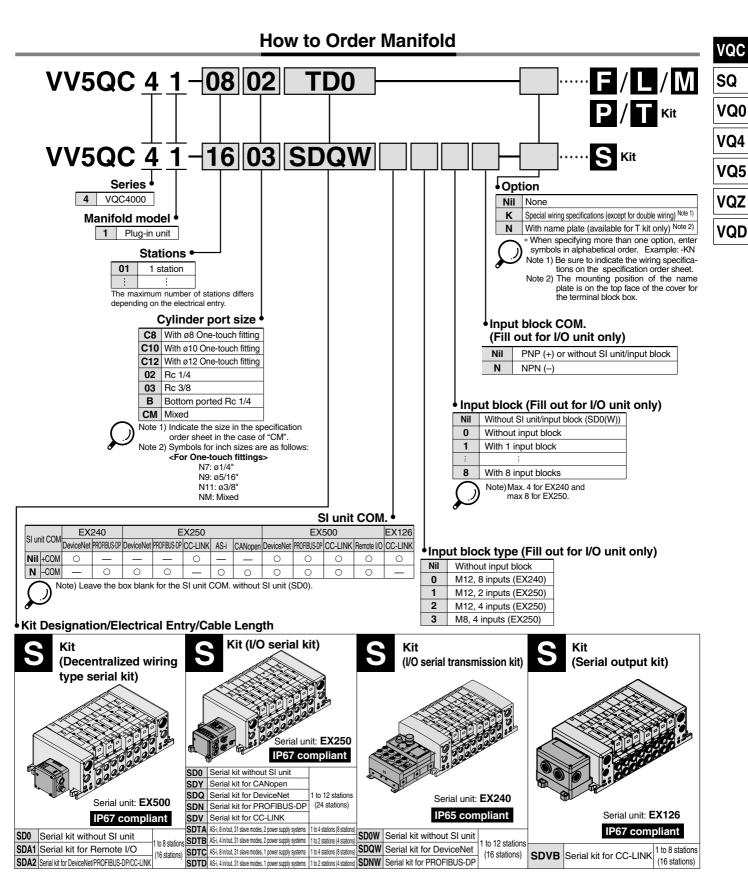
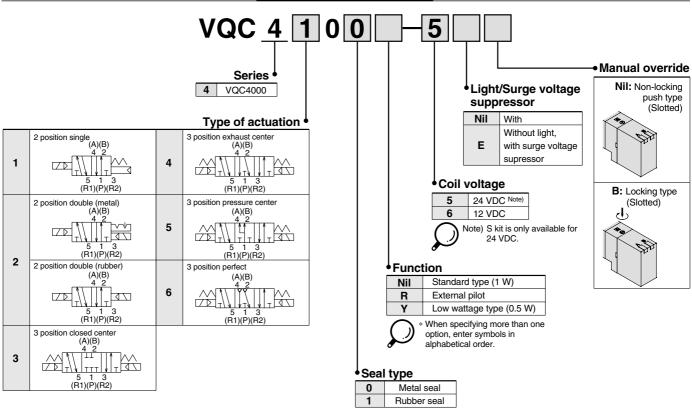
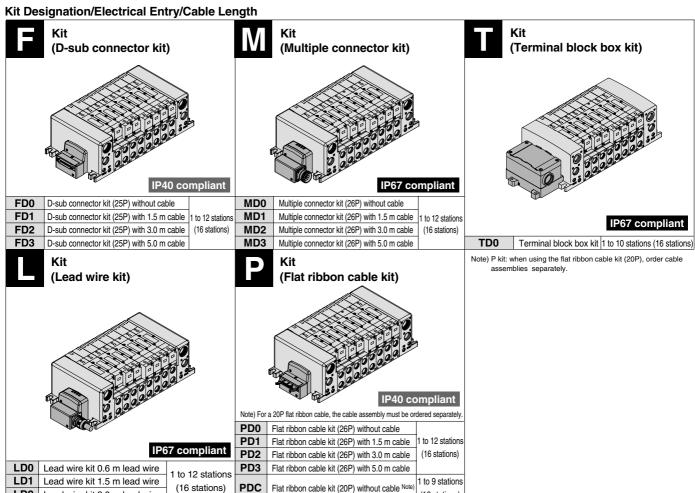
Series VQC4000 Base Mounted Plug-in Unit



How to Order Valves



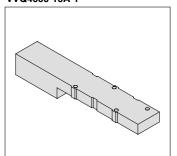


LD2 Lead wire kit 3.0 m lead wire

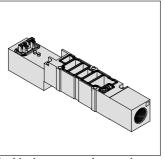
Plug-in Unit Series VQC4000

Manifold Option

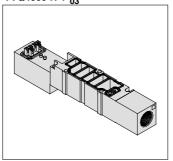
Blanking plate assembly VVQ4000-10A-1



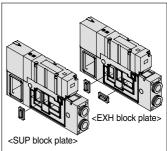
Individual SUP spacer VVQ4000-P-1-02



Individual EXH spacer VVQ4000-R-1-02



SUP/EXH block plate VVQ4000-16A



VQC

SQ

VQ0

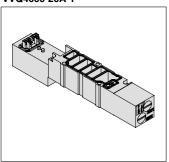
VQ4

VQ5

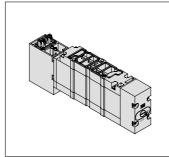
VQZ

VQD

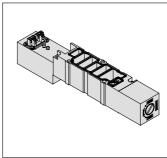
Throttle valve spacer VVQ4000-20A-1



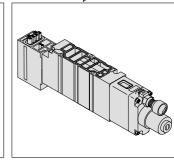
Residual pressure release valve perfect spacer VVQ4000-25A-1 Note 1)



SUP stop valve spacer VVQ4000-37A-1



Interface regulator ARBQ4000-00- ARBQ400-00- AR





Note 1) Perfect spacers with residual pressure release valve cannot be combined with external pilot specifications.

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



JIS Symbol

2 position single



2 position double (metal)



2 position double (rubber)



3 position closed center



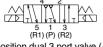
3 position exhaust center



3 position pressure center



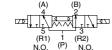
3 position exhaust center with pressure release valves (A) (B)



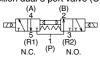
4 position dual 3 port valve (A)



4 position dual 3 port valve (B)



4 position dual 3 port valve (C)



2-2-22

Model

(0	S No of					Flov	v char	acteristics			Response time (ms)		
Series	0.	No. of olenoids	Mode	el	1 → 4, 2 ($P \rightarrow A$, B)	4, 2 → 5, 3 (A,	$B \rightarrow F$	R1, R2)	Standard:	Low	Weight (g)
S	S	Dieriolas			C[dm ³ /(s•bar)]	b	Cv	C[dm3/(s•bar)]	b	Cv	1 W	wattage	(9)
	position	Single	Metal seal	VQC1100	0.70	0.15	0.16	0.72	0.25	0.18	12 or less	15 or less	64
			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	
õ	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	VQC1B01	0.70	0.20	0.16	0.70	0.20	0.16	25 or less	33 or less	
		0: 1	Metal seal	VQC2100	2.0	0.15	0.46	2.6	0.15	0.60	22 or less	29 or less	90
	position	Single	Rubber seal	VQC2101	2.2	0.28	0.55	3.2	0.30	0.80	24 or less	31 or less	
	sod :		Metal seal	VQC2200	2.0	0.15	0.46	2.6	0.15	0.60	15 or less	20 or less	
	2	Double	Rubber seal	VQC2201	2.2	0.28	0.55	3.2	0.30	0.80	20 or less	26 or less	
0	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	
Ö		Exhaust	Metal seal	VQC2400	2.0	0.15	0.46	2.6	0.15	0.60	29 or less	38 or less	
>		center	Rubber seal	VQC2401	2.0	0.28	0.49	3.2	0.30	0.80	34 or less	44 or less	110
	3	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	
	_		Metal seal	VQC4100	6.2	0.19	1.5	6.9	0.17	1.7	20 or less	22 or less	230
	position	Single	Rubber seal	VQC4101	7.2	0.43	2.1	7.3	0.38	2.0	25 or less	27 or less	230
	2 pos	Daubla	Metal seal	VQC4200	6.2	0.19	1.5	6.9	0.17	1.7	12 or less	12 or less	260
	7	Double	Rubber seal	VQC4201	7.2	0.43	2.1	7.3	0.38	2.0	15 or less	15 or less	200
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	200
	3 pos	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	
		Porfoot	Metal seal	VQC4600	2.7	_	_	3.7	_	_	55 or less	57 or less	E00
		Perfect	Rubber seal	VQC4601	2.8			3.9			62 or less	64 or less	500
	N	ote 1) Value	s represented	n this colur	nn are in the	followir	ng con	ditions:					

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.

VQC

SQ

VQ0

VQ4

VQ5

VQZ

VQD

Standard Specifications

	Va	alve Configuration			Metal seal	Rubber seal	
	Fluid				Air/Inert gas		
	00	Max. operating pressure			0.7 MPa (High pressure type: 1.0 MPa) Note 4)		
	VQC1000/2000		Singl	е	0.1 MPa	0.15 MPa	
	000	Min. operating	Doub	ole	0.11	MPa	
	2	pressure	3 pos	sition	0.1 MPa	0.2 MPa	
ions)/		4 pos	sition	_	0.15 MPa	
ficat	0	Max. operating p	ressur	e Note 3)	1.0 MPa (0.7 MPa)	
Valve specifications	VQC4000	Min. operating pressure	Singl	е	0.15 MPa	0.2 MPa	
ve s	Ø		Doub	ole	0.15	MPa	
Val	١_		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	Lubrication			Not required		
	Ma	Manual override			Push type/Locking type (tool required)/Locking type (Manual override) $^{\text{Note 5}}$ /Slide locking type $^{\text{Note 5}}$		
	Im	Impact resistance/Vibration resistance			150/30 m/s ² Note 2)		
	En	nclosure			Dust proof (IP67 compliant)		
S	Ra	ated coil voltage			24 VDC		
Sal	All	owable voltage flu	uctuati	ion	±10% of rated voltage		
Electrical specifications	Co	oil insulation type			Equivalent to B type		
Spec		ower consumption		24 VDC	1 W DC (42 mA), (0.5 W DC (21 mA)	
	(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

				Piping specificat	ions	Note 2)	Applicable	5 station	
Series	Base model	Connection type	Port	Port siz	ze Note 1)	Applicable stations	solenoid	weight	
			direction	1, 3 (P, R)	2, 4 (A, B)	Stations	valves	(g)	
VQC1000	VV5QC11-□□□		Side	C8 (For ø8) Options Direct outlet with built-in silencer	C3 (For ø3.2) C4 (For ø4) C6 (For ø6) M5 (M5 threads)	(F, L, M and P kits 1 to 12 stations) ((1 to 12 stations) VQC1 (T kit) VQC1 (1 to 10 stations)	VQC1□00-5 VQC1□01-5	628 (Single) 759 (Double, 3P)
VQC2000	VV5QC21-□□□	■ F Kit: D-sub connector ■ P Kit: Flat cable ■ T Kit: Terminal block box ■ S Kit: Serial transmission ■ L Kit: Lead wire	Side	C10 (For ø10) Options Direct outlet with built-in silencer Branch type C12 (for ø12)	C4 (For ø4) C6 (For ø6) C8 (For ø8)		VQC2□00-5 VQC2□01-5	1051 (Single) 1144 (Double, 3P)	
VQC4000	VV5QC41-□□□	■ L Kit: Lead wire ■ M Kit: Multiple connector	Side	P: Rc 1/2 R: Rc 3/4	C8 (For Ø8) C10 (For Ø10) C12 (For Ø12) Rc 1/4 Rc 3/8	(F, L, M and P kits 1 to 12 stations) T kit 1 to 10 stations) S kit 1 to 12 stations: EX240, EX250	VQC4□00-5 VQC4□01-5	4150 • S kit (without unit) • Solenoid weight is not	
			Bottom		Rc 1/4	1 to 8 stations: EX500 1 to 8 stations: EX126		included.	

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.



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.

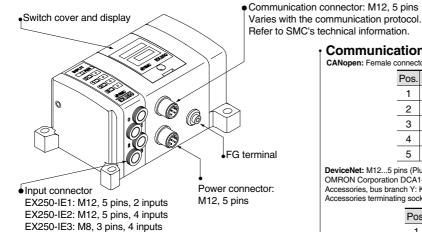
Furthermore, by connecting an inmput block, a maximun 4 or 8 sensor signal inputs are possible.

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

 \ast 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	Power supply –
4	CAN_H	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

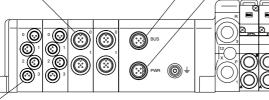
Po	S.	Description	Function
1	ı	VP	Power supply for terminating resistor
2	2	A-N	Negative for data transfer/reception
3	3	DGND	Ground for terminating resistor
_	1	B-P	Positive for data transfer/reception
Ę	5	SHIELD	Shield



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.



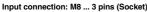
Pos.	Description	Function
1	SV24V	+24 V solenoid valve
2	SV0V	0V solenoid valve
3	SW24V	+24 V SI and input blocks
4	SW0V	0 V SI and input blocks
5	E	Ground connection



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

_							
	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	E	Ground connection				





Input connection: M8 ... 3 pins (Socket)
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



VQC

SQ

VQ0

VQ4

VQ5

VQZ

VQD

Plug-in Unit Series VQC

AS-i EX250-SAS7 / EX250-SAS9

Communication connector: M12 male 4 pins



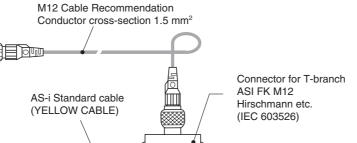
Pos.	Description	Function
1	AS-i +	Positive AS-Interface line
2	RESERVE	RESERVE
3	AS-i –	Negative AS-Interface line
4	RESERVE	RESERVE



Connection example

EX250-SAS7

BUS



AS-i EX250-SAS3 / EX250-SAS5

Communication connector: M12 male 4 pins



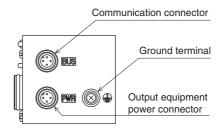
Pos.	Description	Function	
1	AS-i +	Positive AS-Interface line	
2	OV	Negative output equipment power line	\leftarrow
3	AS-i –	Negative AS-Interface line	
4	24V	Positive output equipment power line	\leftarrow

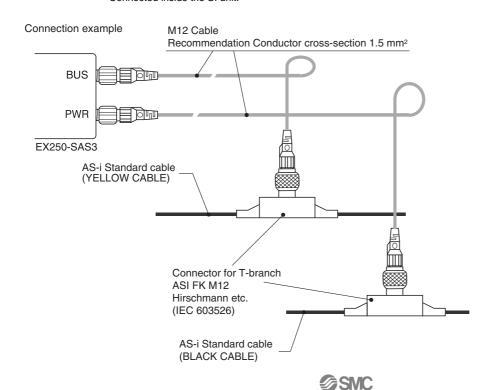
Output equipment power connector: M12 male 4 pins



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

^{*} Connected inside the SI unit.

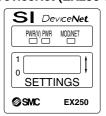






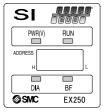
Indicator Unit (LED) Description and Its Function

■ SI unit DeviceNet (EX250-SDN1)



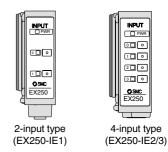
Name	Function
PWR(V)	ON when solenoid valve power supply is turned ON.
PWR	ON when DeviceNet circuit power supply input is turned ON.
	OFF: Power supply off, off line, or when checking duplication of MAC_ID.
	GREEN BLINKING: Waiting for connection (on line).
MOD/NET	GREEN ON: Connection established (on line).
INIOD/INET	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
DMD()	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)

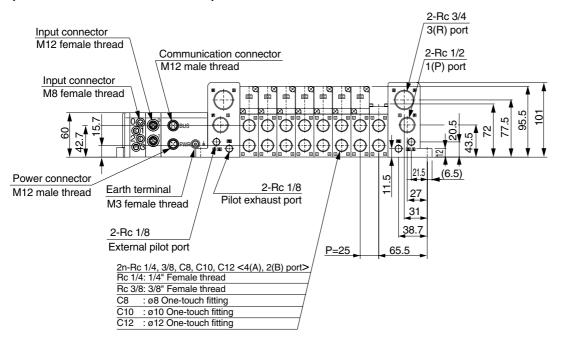


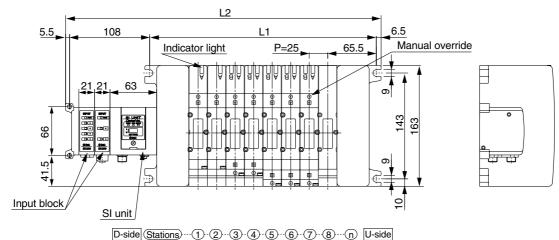
Name	LED Condition	Contents				
PWR(V)	Green Light	Illuminates when power for solenoid valves is supplied				
PWK(V)	Green Light	Illuminates when power for CANopen line is supplied				
PWR	Green Light	Illuminates when SI unit is in the Operational state				
	Green Light (Blinking)	SI unit is in the Pre-operational state				
	Green Light (Single flash)	Single flash when SI unit is in Stopped state				
0.481	Red Light (Single flash)	Single flash when CAN controller error occurs				
CAN	Red Light (Double flash)	Double flash when Error Control Event occurs				
	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				

Series VQC



VV5QC41 S Kit (Serial transmission kit: EX250)





L1 = 25n + 106 (Maximum 16 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
L1	131	156	181	206	231	256	281	306	331	356	381	406	431	456	481	506
L2	230	255	280	305	330	355	380	405	430	455	480	505	530	555	580	605



Compatible network | DeviceNet/PROFIBUS-DP

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

DeviceNet/PROFIBUS-DP compatible SI unit

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

Furthermore, by connecting an input block, up to 32 sensor signal inputs

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 8 sensors, and the common can be matched to the sensor by an NPN/PNP selector switch.

Connector Details

SI unit (PROFIBUS-DP) Input block SI unit (DeviceNet) Communication connector Input connector Power connector

• Communication connector (PROFIBUS-DP): CONINVERS GmbH RC-2RS1N12, 12 pins

Cable side connector example: Siemens AG 6ES5 760-2CB11



No.	Description	Function
1	M5V	GND Terminal
2	Α	Signal –N
4	В	Signal -P
6	+5V	Terminal +5V
9	SHIELD	Shield ground
12	RTS	Optical fiber (reserve)

• Pin no. 3, 5, 7, 8, 10 and 11 marked with "●" are open.

* The connector configuration and the pin arrangement are compatible with Siemens AG ET200C

• Input connector: M12, 5 pins (OMRON Corporation XS2F compatible) x 8 pcs.

Cable side connector example: OMRON Corporation XS2G



	No.	Description	Function
	1	SW +	(+) Sensor power supply
	2	N.C.	Open*
3	3	SW -	(-) Sensor power supply
	4	SIGNAL	Sensor input signal
	5	PE	Protective sensor ground

* The second pin of the connector with input no. 0, 2, 4, 6 (the connector at the right side of the input block) is connected internally to the fourth pin (sensor input no.) of the connector with input no. 1, 3, 5, 7. This makes it possible to directly input two inputs that are combined together by the common connector.

Connector:	Input no	Input no. 1, 3, 5			
SW+		1	}	1	
SIGNAL -n + 1		2		2	
SW-		3	-	3	
SIGNAL -n		4		4	
PF		5		5	

* DIN type 5 pins

No.	Description	Function						
1	SV24V	For solenoid valve +24V						
2	SV0V	For solenoid valve +0V						
3	PE	Protective ground						
4	SW24V	For solenoid valve +24V						
5	SW0V	For solenoid valve +0V						
	1 2 3 4	1 SV24V 2 SV0V 3 PE 4 SW24V						

 Power connector: Franz Binder GmbH Series 723. 5 pins (72309-0115-80-05) Cable side connector example: Franz Binder GmbH 72309-0114-70-15, etc.

 Communication connector (DeviceNet): M12, 5 pins (for DeviceNet only) Example of corresponding cable assemblies with connector: OMRON Corporation DCA1-5CN05F1, Karl Lumberg GmbH & Co. KG RKT5-56.



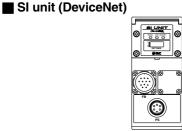
No.	Description	Function
1	Drain	Drain/Shield
2	V +	(+) Circuit power supply
3	V –	(-) Circuit power supply
4	CAN_H	Signal H
5	CAN_L	Signal L

Compatible with DeviceNet specification Micro

When IP65 or equivalent enclosures are required, install a waterproof cover on the input connector that is not being used. Order waterproof covers separately.

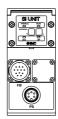
Example: OMRON Corporation XS2Z-12

Indicator Unit (LED) Description and Its Function



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

■ SI unit (PROFIBUS-DP)



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

Input block



Description	Function						
PWR	ON when sensor power is turned ON. OFF when short circuit protection is working.						
0 to 7	ON when each sensor input goes ON.						

VQC

SQ

VQ0

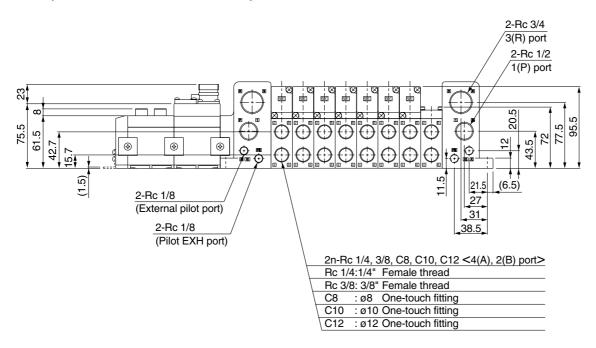
VQ4

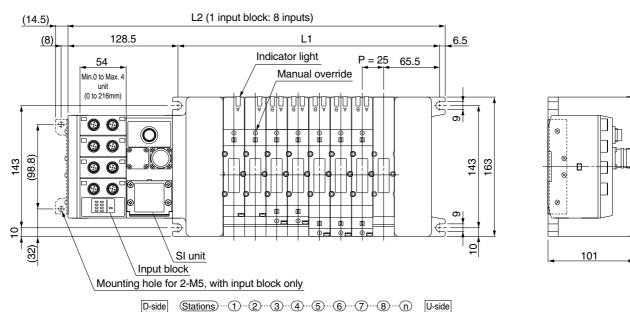
VQ5

VQZ

VQD

VV5QC41 S Kit (Serial transmission kit: EX240)





 $Formulas: L1 = 25n + 106, L2 = 25n + 241 \ (For \ 1 \ input \ block. For \ each \ additional \ input \ block, \ add \ 54 \ mm.) \ n: \ Stations \ (Maximum \ 16 \ stations)$

L	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
L1	131	156	181	206	231	256	281	306	331	356	381	406	431	456	481	506
L2	266	291	316	341	366	391	416	441	466	491	516	541	566	591	616	641