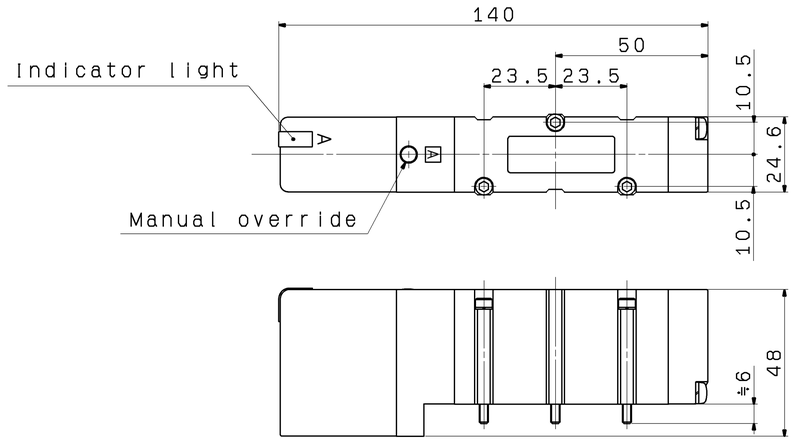
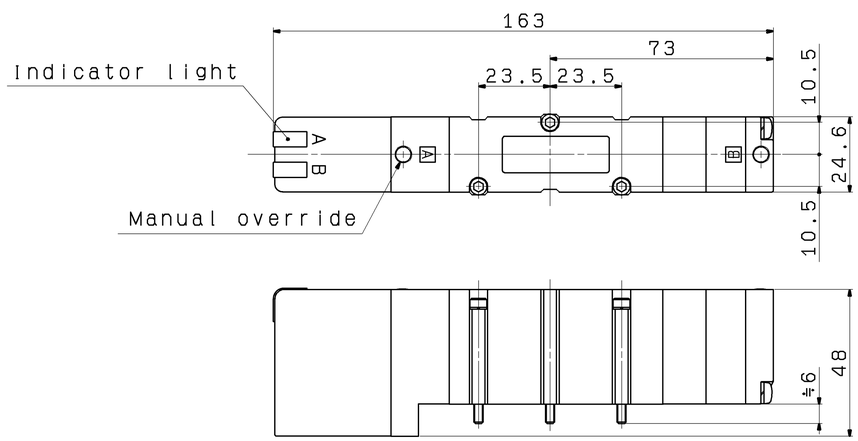
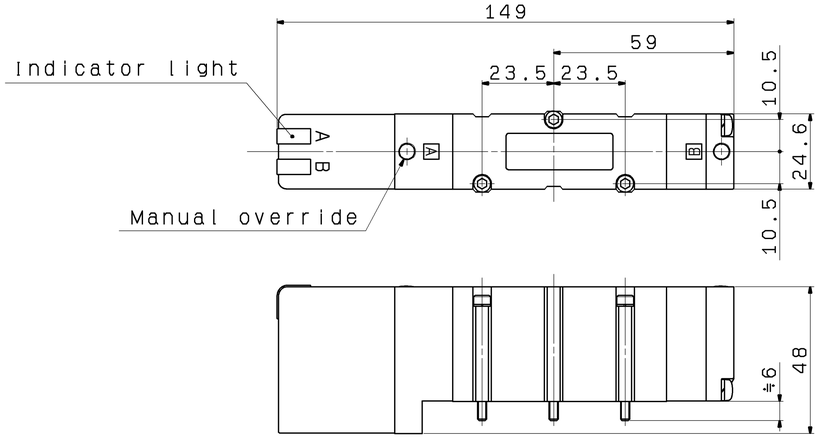
DWG NO ⓒ VQC4*01R-5-X17 ⚠



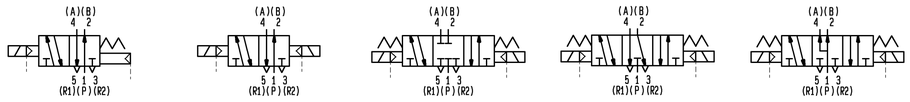
VQC4101R-5-X17



VQC4$^{3}_{4}_{5}$01R-5-X17



VQC4201R-5-X17



VQC4101 VQC4201 VQC4301 VQC4401 VQC4501

SYMBOL

Specifications

Valve	Valave configuration		Rubber seal
	Fluid		Air/Inert gas
	Operating pressure range		Vacuum ~ 1.0 MPa
	External pilot pressure range	Single	0.25 ~ 1.0 MPa
		Double	0.15 ~ 1.0 MPa
		3 position	0.25 ~ 1.0 MPa
	Proof pressure		1.5 MPa
	Ambient and fluid temperature		-10 ~ 50 ℃ Note1)
	Lubrication		Not required
	Manual override		Non-locking push type(Slotted)
	Impact resistance/Vibration resistance		150/30 m/s² Note2)
	Enclosure		Doust proof(IP67 compliant)
Solenoid	Rated coil voltage		24 VDC
	Allowable voltage fluctuation		±10 of rated voltage
	Coil insulation type		Equivalent to B type
	Power consumption(Current)		1 W DC(42 mA)

Note1) Use dry air to prevent condensation at low temperatures.

Note2) 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.

How to order valves

VQC4□01R-5-X17

• Type of actuation

1	2 position single
2	2 position double
3	3 position closed center
4	3 position exhaust center
5	3 position pressure center

SPECIAL SPECIFICATIONS

1)External pilot.

2)Special lamp cover.(Color:Red)

⚠ NOTE

1)When the air supply is cut, the main valve returns to the original position.
(OFF position for single type,center for 3 position type)

SMC CORPORATION TOKYO JAPAN SEP 25 2009 DEVELOPMENT SECTION

REV	QTY	DESCRIPTION	DATE	PREPARED	REV NO
⚠	1	Note addition	2009-09-25	T.Mori	VQC2000-DMN0887

TOLERANCES JIS B 0405			
RANGE(mm)	GRADE f	m	c
0.5≤D≤3	0.05	0.1	0.2
3<D≤6	0.05	0.1	0.3
6<D≤30	0.1	0.2	0.5
30<D≤120	0.15	0.3	0.8
120<D≤400	0.2	0.5	1.2
400<D≤1000	0.3	0.8	2
1000<D≤2000	0.5	1.2	3

DRAWN	DATE	M.Toyoshima 2009-09-02
DESIGNED	DATE	T.Mori 2009-09-04
CHECKED	DATE	
APPROVED	DATE	Y.Doi 2009-09-04

FINISH	
PAINT	
PACKING	
MATERIAL	
MATERIAL SIZE	
SCALE	FREE
MODEL	QTY
THIRD ANGLE	
DWG NAME	SOLENOID VALVE
DWG NO	ⓒ VQC4*01R-5-X17
REVISION	1
DWG ID	BA22026701

SMC Corporation

FINISH:表面処理 / PAINT:塗装 / PACKING:包装区分
MATERIAL:材質 / MATERIAL SIZE:材料寸法

DWG NAME

DWG REC

A1-V05