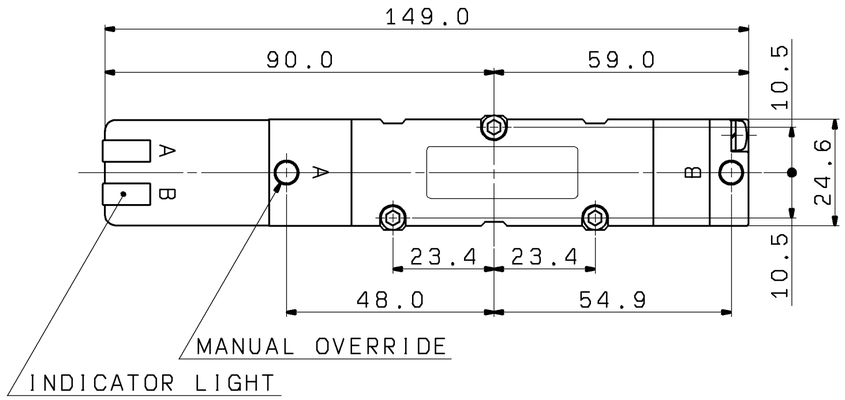
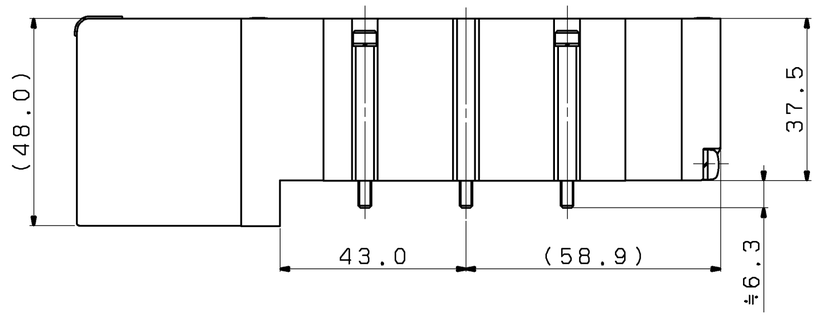
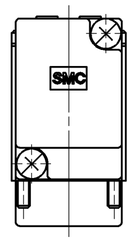
DWG NO







SPECIAL REQUIREMENT

1. WITH DETENT FUNCTION
2. SPECIAL LAMP COVER.(COLOR:RED)
3. RESPONSE TIME:A(4)→B(2) 78ms OR LESS (WITHOUT BOOSTER VALVE)
4. WITH SPECIAL PRODUCT LABEL

NOTES

1. WHEN THE EXTERNAL PILOT PRESSURE IS REMOVED OR THE COILS ARE DE-ENERGIZED, THE MAIN VALVE REMAINS THE LAST POSITION UNDER CONDITION BELOW.
   - VIBRATION RESISTANCE(EN60068):50m/s²(0.35mm)(*1)
   - IMPACT RESISTANCE(EN60068):150m/s² AT 11ms DURATION(*2)
   - *1)NO MALFUNCTION OCCURRED IN A ROUND SWEEP TEST BETWEEN 5 AND 200Hz.THE TEST WAS PERFORMED AT BOTH ENERGISED AND DE-ENERGISED STATES IN TEH AXIAL DIRECTION AND AT THE RIGHT ANGLES TO THE MAIN VALVE AND ARMATURE.
   - *2)NO MALFUNCTION OCCURRED WHEN TESTED IN THE AXIAL DIRECTION AND AT THE RIGHT ANGLES TO THE MAIN VALVE AND ARMATURE IN BOTH ENERGISED AND DE-ENERGISED STATES,FIVE TIMES FOR EACH CONDITION.
2. DIMENSIONS ARE IN MILLIMETERS.
3. UNLESS OTHERWISE NOTED ALONG WITH A SEPARATE CONTRACT OR AGREEMENT WITHIN THE PRODUCT SPECIFICATIONS, THE SAFETY INSTRUCTIONS SPECIFIED IN THE PRODUCT CATALOG ARE APPLIED.PLEASE CONTACT YOUR LOCAL SMC SALES OFFICE FOR FURTHER DETAILS.
4. CE MARKED PRODUCT.
   [THE RELEVANT TCF IS AVAILABLE AS STANDARD PRODUCT SERIES.]

VALVE CODE:B

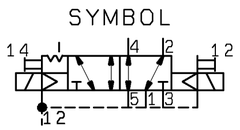
FLOW SPECIFICATIONS

FLOW SPECIFICATIONS \ PASSAGE	1→4/2	4/2→5/3
C[dm³/(s·bar)]	7.2	7.3
b	0.43	0.38
Cv	2.1	2.0

SPECIFICATIONS

VALVE	VALVE TYPE	5-PORT 2 POSITION VALVE WITH DETENT
	VALVE CONSTRUCTION	RUBBER SEAL
	FLUID	AIR/INERT GAS
	OPERATING PRESSURE RANGE	VACUUM TO 1.0MPa
	EXTERNAL PILOT PRESSURE RANGE	0.15 TO 1.0MPa
	AMBIENT&OPERATING FLUID TEMPERATURE	-10 TO 50°C(NON FREEZE)
	RESPONSE TIME (P=X=0.5MPa)	A(4) TO B(2) 78ms
SOLENOID	COIL RATED VOLTAGE	24V DC
	ALLOWABLE VOLTAGE FLUCTUATION	-10 TO 10% OF RATED VOLTAGE
	COIL INSULATION TYPE	EQUIVALENT TO B TYPE
	POWER CONSUMPTION (CURRENT)	0.4W DC(17mA)

SYMBOL



REV	QTY	DESCRIPTION	DATE	PREPARED	REV NO
1	-	RENEWAL(ADD. SPECIAL REQUIREMENT)	2015-11-04	C.OJIMA	VQC4000V-DMT0001
0	-	INITIAL RELEASE.	2015-05-21	M.SUGIYAMA	-

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	M.NIIMI	
DATE	2015-11-04	
DESIGNED	C.OJIMA	
DATE	2015-11-04	
CHECKED	T.FUJIWARA	
DATE	2015-11-06	
APPROVED	S.SUMIYOSHI	
DATE	2015-11-06	

FINISH	
PAINT	
MASS	
PACKING	
MATERIAL	
MATERIAL SIZE	
MODEL	QTY
THIRD ANGLE	
SCALE	FREE
DWG NAME	5 PORT SOLENOID VALVE
DWG NO	(A) VQC4201RY-51-X77
REVISION	1 G

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

VQC4000V-PMS5006 | DWG NAME PILOT VALVE:V100 SERIES | DWG REC | DWG ID BA44136203 | SMC Corporation ST

A2-V06