

SOLENOID VALVES

600 SERIES

Basic Models and Valve Functions

Item	Basic model	600-4E1	600-4E2	603-4E2
		A600-4E1	A600-4E2	A603-4E2
Number of positions		2		3
Number of ports		5		
Valve function		Single solenoid	Double solenoid	Double solenoid

Remark: For optional specifications and order codes, see p.775~776.

Specifications

Item	Basic model	600-4E1	600-4E2	603-4E2
		A600-4E1	A600-4E2	A603-4E2
Media		Air		
Operation type		Internal pilot type		
Effective area [Cv]	mm ²	60 [3.33]		
Port size ^{Note}		Rc1/2 or Rc3/8		
Lubrication		Not required		
Operating pressure range	Mpa(kgf/cm ²) [psi.]	0.15~0.9 [1.5~9.2] [22~131]		0.2~0.9 [2.0~9.2] [29~131]
Proof pressure	Mpa(kgf/cm ²) [psi.]	1.35 [13.8] [196]		
Response time	ms	DC24V	40/40 or below	25 or below
ON/OFF		AC100V, AC200V	35/40 or below	25 or below
Maximum operating frequency	Hz	2		1
Minimum time to energize for self holding	ms	—		50
Operating temperature range (atmosphere and media)	°C [°F]	5~50 [41~122]		
Shock resistance	m/s ² [G]	980.7[100.0]		
Mounting direction		Any		

Note: For details, see the port size.

Solenoid Specifications

Item	Rated voltage	DC24V	AC100V	AC200V
	Type		AC solenoid (Shading coil type)	
Operating voltage range	V	21.6~26.4 (24±10%)	90~130 (100±30%)	180~260 (200±30%)
Current (when rated voltage is applied)	Frequency Hz	—	50	60
	Starting mA(r.m.s)	—	106	94
	Energizing ^{Note} mA(r.m.s)	240 [252 (6.0W)]	55 [57]	44 [44]
Insulation resistance	MΩ	Over 10		
Wiring type		With terminal		
Lead wire color		Red	Yellow	White
Color of LED indicator		Red	Yellow	Green
Surge suppression		—		
		Solenoids with LED indicators employ a surge absorber		

Note: Figures in brackets [] are for solenoids with LED indicator.

Manifold Connection Port Size

Manifold model	Port	Location of piping connection	Port size
LM□F	1(P), 3(R2), 5(R1)	Manifold	Rc3/4
	4(A), 2(B)	Valve	Rc1/2, Rc3/8
LM□A	1(P), 3(R2), 5(R1)	Manifold	Rc3/4
	4(A), 2(B)	Manifold	Rc1/2, Rc3/8