






System  
Table

Direct acting 2, 3-port solenoid valve  
MULTI-FIT

No. of Ports	Model Name		Configuration	Actuation Method		Operating Fluid							Connection Port Size Rc, G, NPT				Page
						Compressed Air	Dry air Inert gas	Water	Oil	Medium Vacuum	Hot water	Steam	1/8	1/4	3/8	1/2	
2-port		FFB-21	Discrete valve	NC (Normally Closed) type		●	●	●	●	●			●				1
		FFB-31				●	●	●	●	●	●	●	●	●			
		FFB-41				●	●	●	●	●	●	●		●	●		
		FFB-51				●	●	●	●	●	●	●		●	●	●	
		FFB-32		NO (Closed when energized)		●	●	●	●				●	●			
		FFB-42				●	●	●	●					●	●		
		FFB-52				●	●	●	●					●	●		
		FFBM-21	Manifold	NC (Normally Closed) type Common supply		●	●	●	●				●				19
		FFBM-31				●	●	●	●					●			
		FFBM-41				●	●	●	●					●			
		FFBM-51				●	●	●	●					●			
		FFBM-25		NC (Normally Closed) type Individual supply		●	●	●	●	●			●				
		FFBM-35				●	●	●	●	●				●			
		FFBM-45				●	●	●	●	●				●			
		FFBM-55				●	●	●	●	●				●			
3-port		FFG-21	Discrete valve	Universal		●	●	●	●				●				31
		FFG-31				●	●	●	●				●	●			
		FFG-41				●	●	●	●					●	●		
		FFG-51				●	●	●	●					●	●		
		FFG-33		NC Pressurization		●	●	●	●				●	●			
		FFG-43				●	●	●	●					●	●		
		FFGM-31	Manifold	Universal Common supply Centralized Exhaust		●	●	●	●					●			39
		FFGM-41				●	●	●	●					●			
		FFGM-51				●	●	●	●					●			

# Electrical connection circuit diagram

Coil option		Voltage			
		DC			AC
A	Lead wire (300 mm)	●		●	
B	With DIN terminal box (G1/2)	●		●	
C	With DIN terminal box (Pg9, Pg11)	●		●	
E	Conduit (G1/2)	●		●	
F	Conduit (CTC19)	●		●	
G	With HP terminal box	●		●	
S	DIN coil without terminal box	●		●	
J	Lead wire (300 mm) with surge suppressor	●*1	Product included	*2	
M	Conduit (G1/2) with surge suppressor	●			
P	Conduit (CTC19) with surge suppressor	●			
Q	HP terminal box with surge suppressor	●			
K	DIN terminal box with surge suppressor	●			
D	DIN terminal box with lamp (Pg11)	*3		● *4	
H	HP terminal box with lamp	●		●	
L	DIN terminal box with lamp/surge suppressor	●			
R	HP terminal box with lamp/surge suppressor	●			

\*1: DC voltage coil option "J" surge suppressor is included.  
\*2: All AC voltages have a full-wave rectifier circuit. Significant surges generated in the coil by the action of this diode are almost eliminated.  
For this reason, a surge suppressor is not available.  
\*3: Use "L" DIN terminal box with lamp/surge suppressor.  
\*4: 230 VAC setting is not available.

Coil option code		
	A(DC)	Grommet lead wire 300 mm
	J	Grommet lead wire 300 mm□ With surge suppressor
	A(AC)	Grommet lead wire 300 mm
	B	DIN terminal box
	K	DIN terminal box with surge suppressor
	D	DIN terminal box with lamp
	L	DIN terminal box/lamp/ With surge suppressor
	G	HP terminal box
	Q	HP terminal box with surge suppressor
	H	HP terminal box with lamp
	R	HP terminal box/lamp/ With surge suppressor
	E	Conduit (G1/2)
	F	Conduit (CTC19)
	M	Conduit (G1/2) with surge suppressor
	P	Conduit (CTC19) with surge suppressor
	S	DIN coil without terminal box