

Solenoid Operated Directional Valve

DAIWER

Model Number Designation



DSWG-02N-3C2-A110-※

Series Number
(Sub-plate mounting)

Valve Size

Number of Valve Position
2:Two Position
3:Three PositionSpool-Spring Arrangement
C:Spring Centered
B:Spring Offset
D:No Spring Detented
N:No SpringType of Contactor
LW:BOX Contactor
DL:DIN ContactorCoil Type
A110, A220, D24,
R110, R220, etc

Spool Type (See P56)

DSWG-02N-※-※-LW

Solenoid Rating

Electric Source	Coil Type	Serviceable Voltage Range (V)	
AC	A110	50Hz	90 - 110
		60Hz	100 - 120
	A220	50Hz	180 - 220
		60Hz	200 - 240
DC	D24	21.6~26.4	
AC→DC	R110	50/60Hz	90 - 110
	R220		200 - 240

• There are other types of coils available,
please contact with our sales engineers for your requirements.

DSWG-02N-※-※-DL

Mounting Bolts

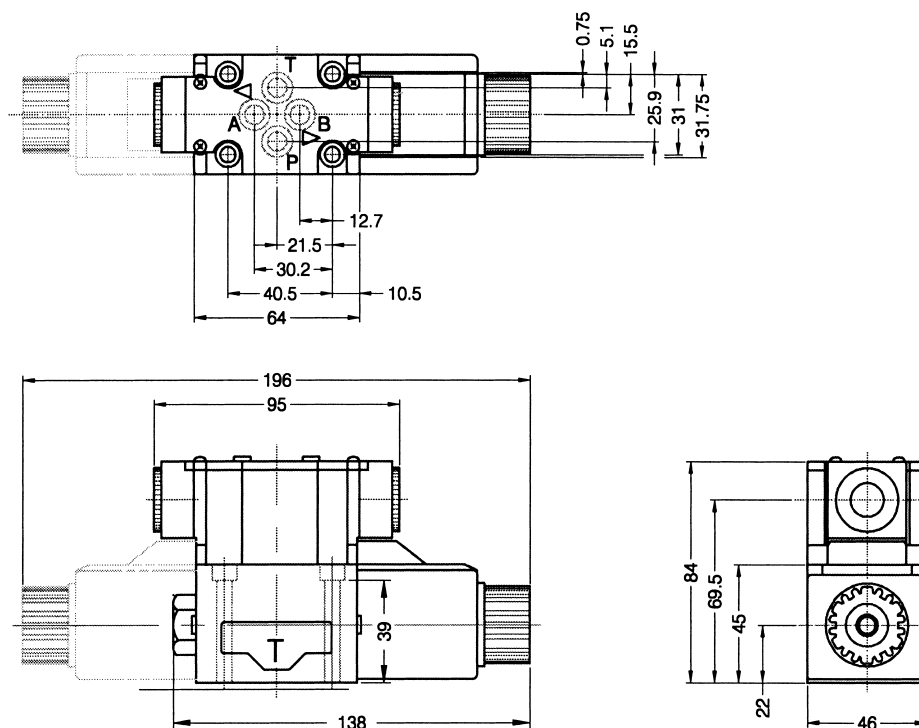
Valve Model No.	Socket Head Cap Screw	Qty.	Tightening Torque
DSWG-02N	M5X45 Lg	4	0.5- 0.7 (kgf • m)

Ratings

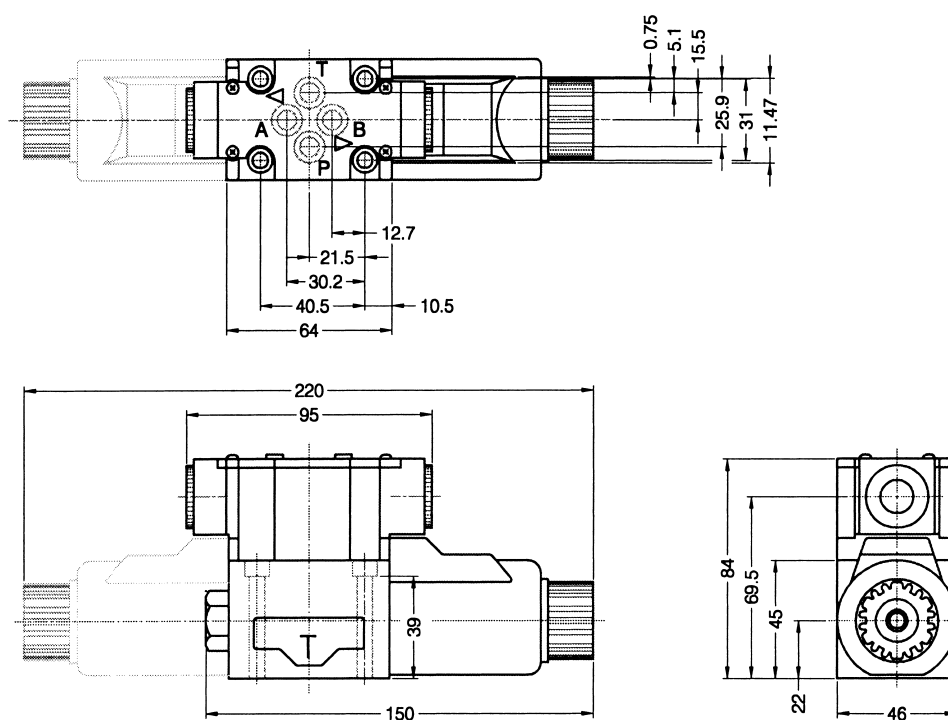
Valve Size	Model No.	Max. Flow l/min	Max. Pressure kgf/cm ²	Max. T-Line Back Pressure kgf/cm ²	Max. Changeover Frequency Cycles/min	Mass kg
1/8	DSWG-02N-2B※-AC※-LW	50	250	140	240 (R Type Only 120)	1.35
	DSWG-02N-3C※-AC※-LW					1.75
	DSWG-02N-2B※-DC※-LW					1.45
	DSWG-02N-3C※-DC※-LW					2.01
	DSWG-02N-2B※-AC※-DL					1.24
	DSWG-02N-3C※-AC※-DL					1.64
	DSWG-02N-2B※-DC※-DL					1.37
	DSWG-02N-3C※-DC※-DL					1.88

*Maximum flow indicates a ceiling flow. As the ceiling flow depends on the type of spool and operating condition.

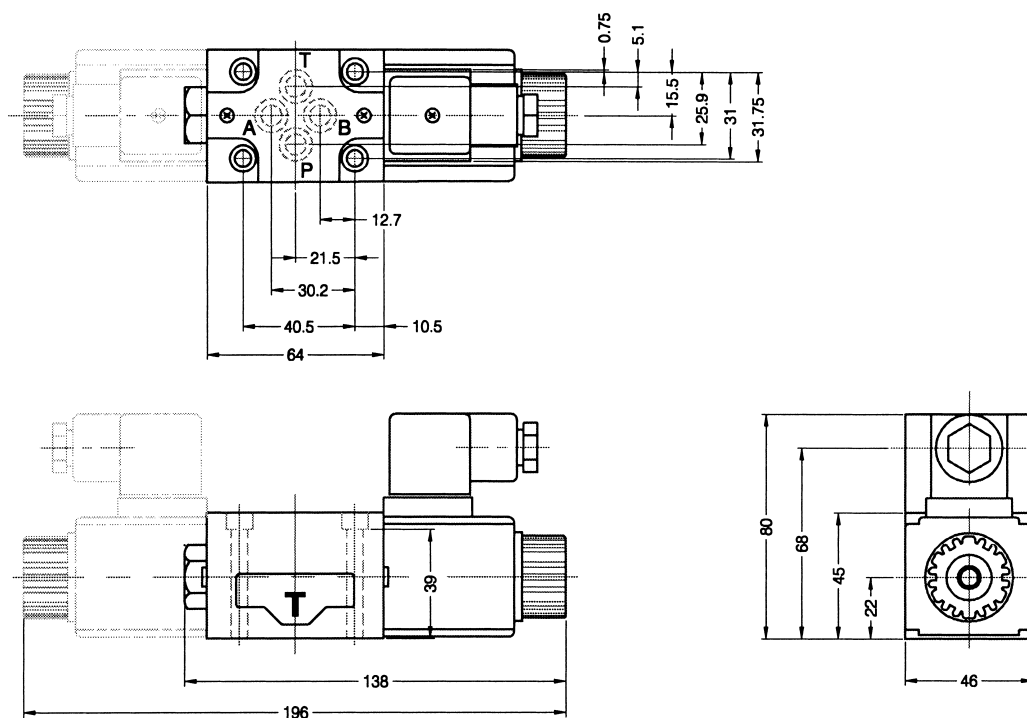
■DSWG-02-※-※-LW-AC



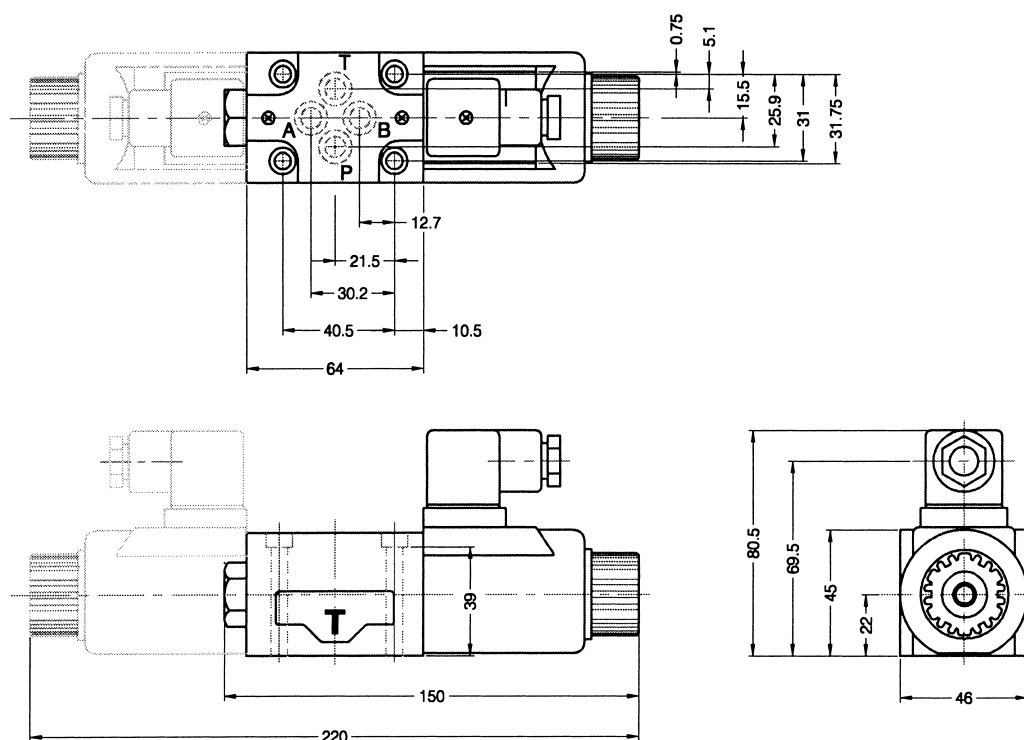
■DSWG-02-※-※-LW-DC



■DSWG-02-※-※-DL-AC



■DSWG-02-※-※-DL-DC



Solenoid Operated Directional Valve

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Model Number Designation



DSWG-03N-3C2-A110-※

Series Number
(Sub-plate mounting)

Valve Size

Number of Valve Position
2: Two Position
3: Three PositionSpool-Spring Arrangement
C: Spring Centered
B: Spring Offset
D: No Spring Detented
N: No SpringType of Contactor
LW: BOX Contactor
DL: DIN ContactorCoil Type
A110, A220, D24,
R110, R220, etc

Spool Type (See P-56)

DSWG-03N-※-※-LW



Solenoid Rating

Electric Source	Coil Type	Serviceable Voltage Range (V)	
AC	A110	50Hz	90 - 110
		60Hz	100 - 120
	A220	50Hz	180 - 220
		60Hz	200 - 240
DC	D24	21.6-26.4	
AC→DC	R110	50/60Hz	90 - 110
	R220		200 - 240

• There are other types of coils available,
please contact with our sales engineers for your requirements.

DSWG-03N-※-※-DL

Mounting Bolts

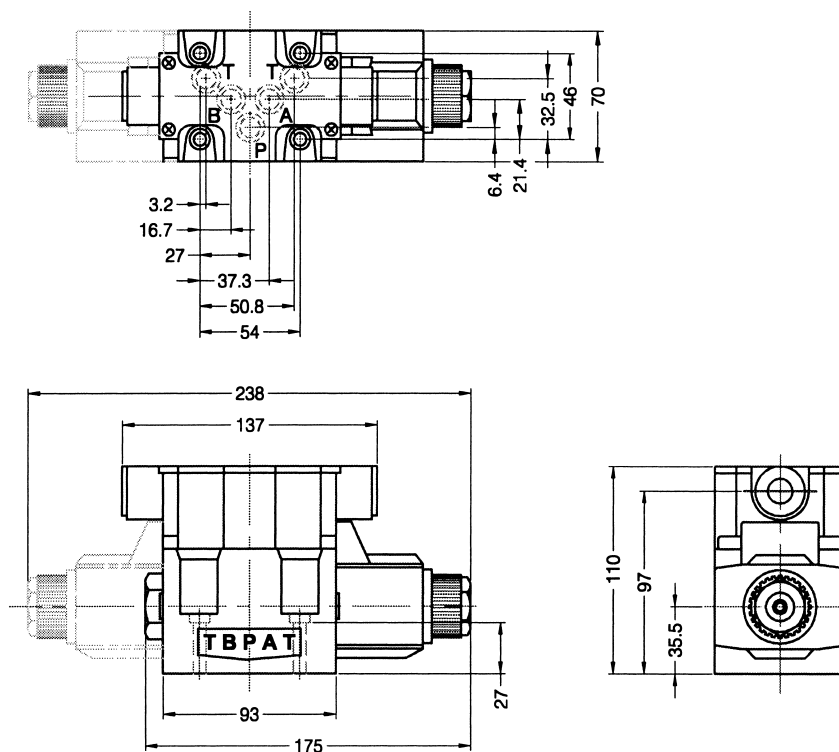
Valve Model No.	Socket Head Cap Screw	Qty.	Tightening Torque
DSWG-03N	M6X35 Lg	4	1.2 -1.5 (kgf · m)

Ratings

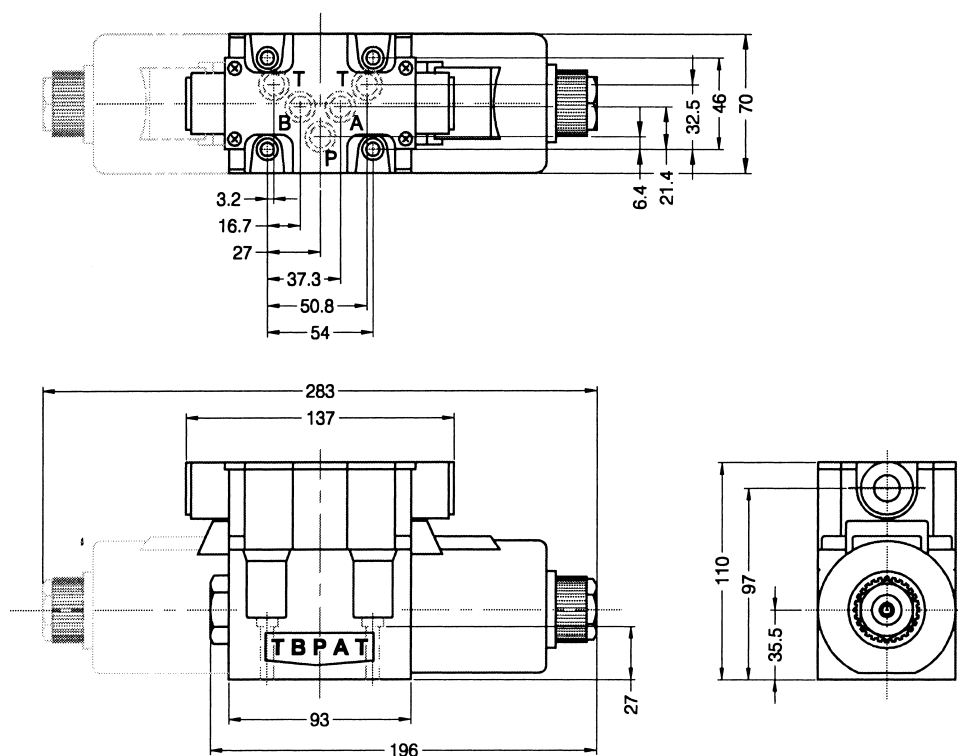
Valve Size	Model No.	Max. Flow l/min	Max. Pressure kgf/cm ²	Max. T-Line Back Pressure kgf/cm ²	Max. Changeover Frequency Cycles/min	Mass kg
3/8	DSWG-03N-2B※-AC※-LW	100	250	140	240 (R Type Only 120)	3.40
	DSWG-03N-3C※-AC※-LW					4.15
	DSWG-03N-2B※-DC※-LW					4.00
	DSWG-03N-3C※-DC※-LW					5.40
	DSWG-03N-2B※-AC※-DL					3.25
	DSWG-03N-3C※-AC※-DL					4.00
	DSWG-03N-2B※-DC※-DL					3.87
	DSWG-03N-3C※-DC※-DL					5.19

*Maximum flow indicates a ceiling flow. As the ceiling flow depends on the type of spool and operating condition.

■DSWG-03-※-※- LW-AC



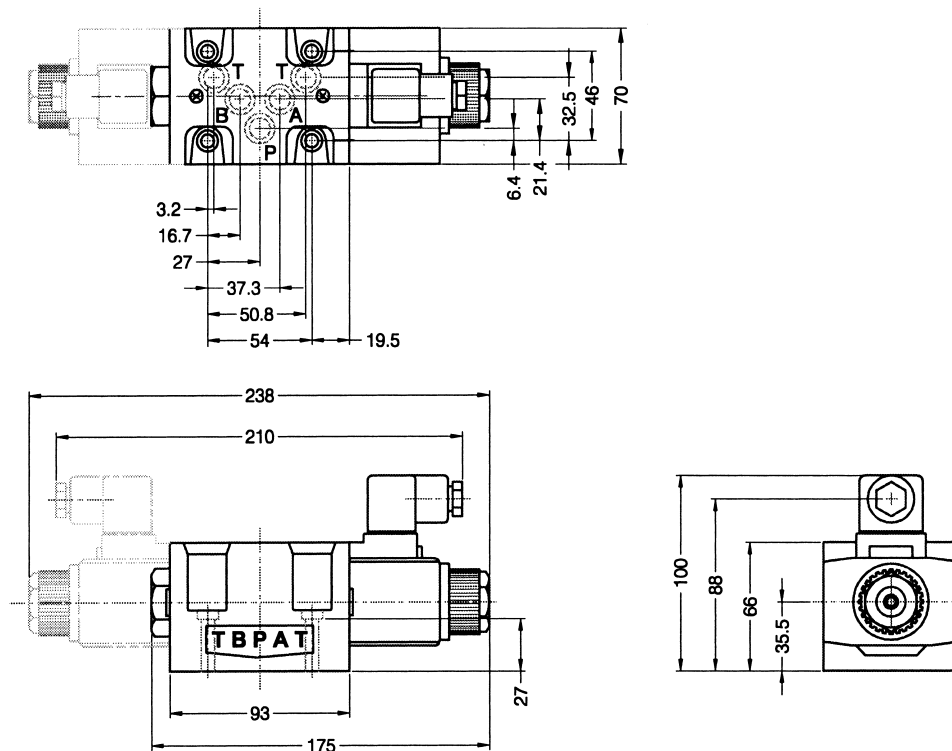
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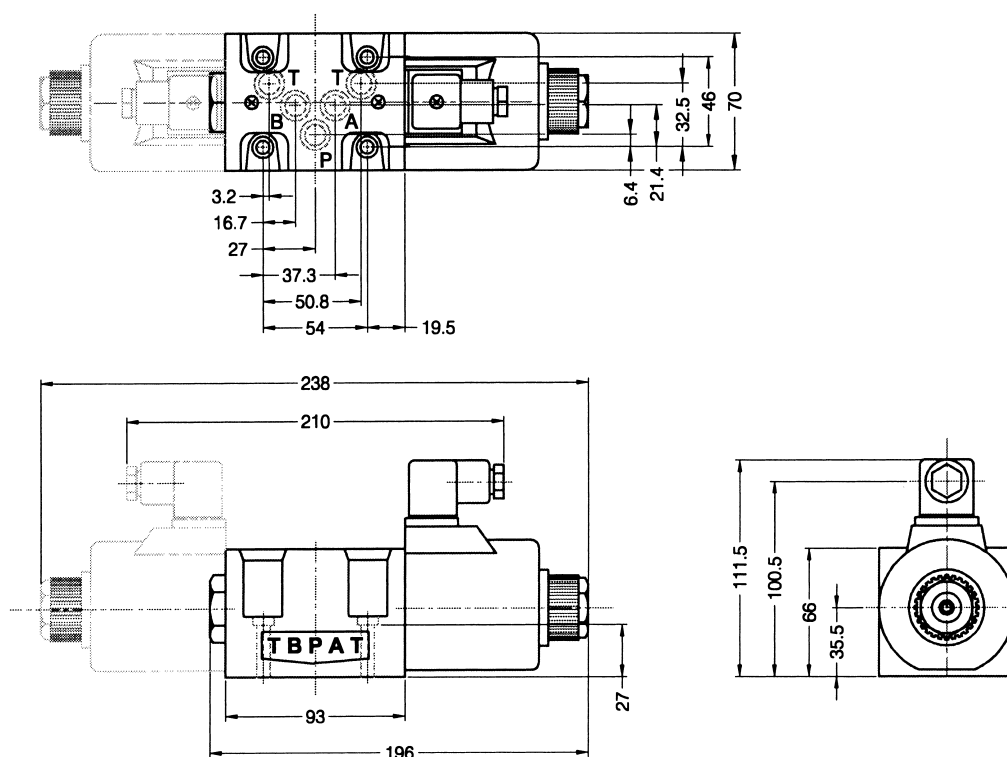
Solenoid Operated Directional Valve

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■DSWG-03-※-※-DL-AC



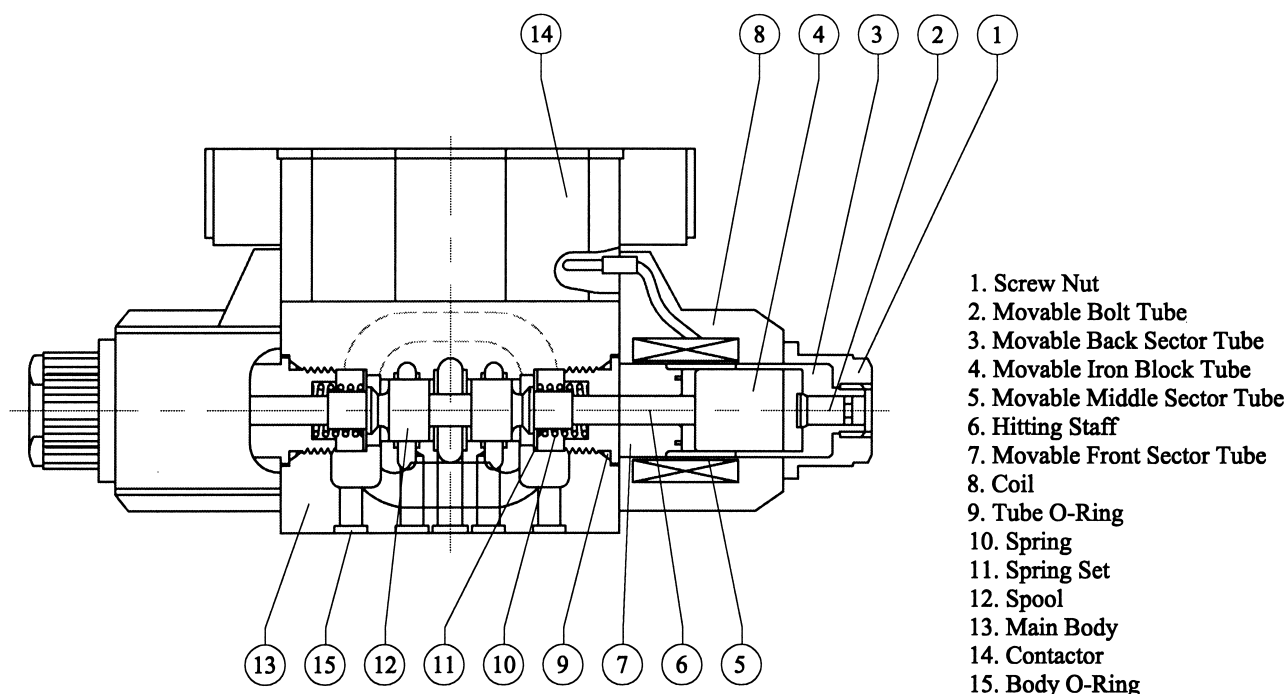
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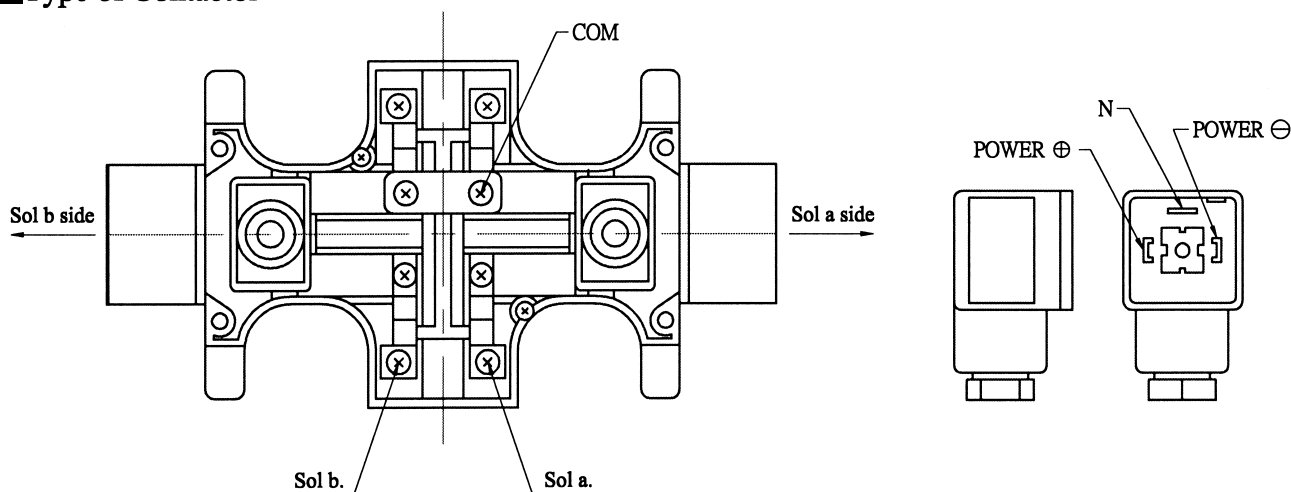
Solenoid Operated Directional Valve

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Basic Structure Diagram



Type of Contactor



● Box Contactor

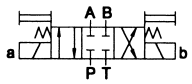
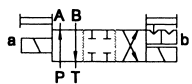
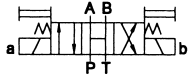
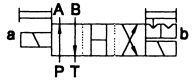
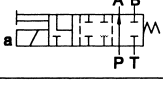
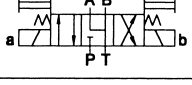
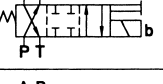
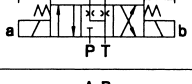
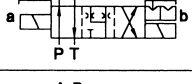
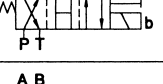
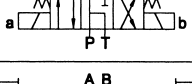
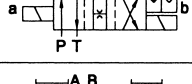
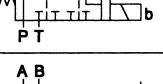
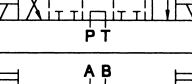
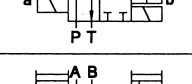
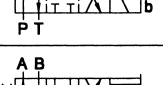
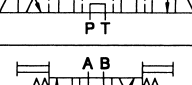
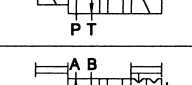
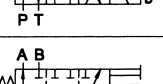
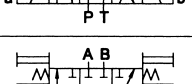
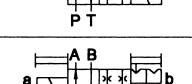
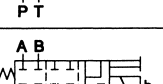
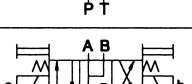
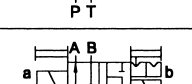
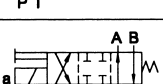
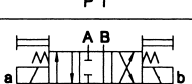
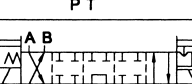
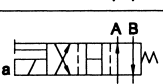
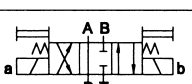
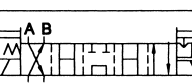
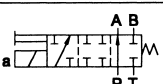
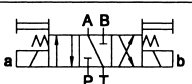
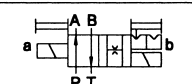
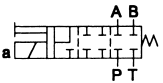
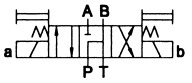
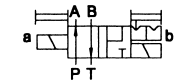
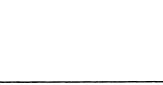
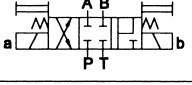
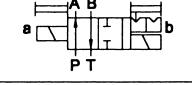
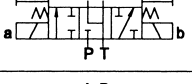
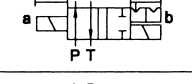
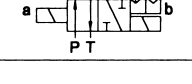
1. Double solenoid valve is provided with common terminal to facilitate wiring. When it is not used, remove it by loosening the terminal screws.
2. Contactor has pilot lights and the PC board and lights are plug-in design. If the lights burned out, it is easy to be replaced.
3. Voltages DC12V-DC24V; AC9V-AC380V

● DIN Contactor

1. The connector is based on the specifications of DIN43650 and the protection level of IP65. IP65 means the totally protection, for example, dust, lower-pressure water sprays; although the coil is waterproofed, it can't be installed in water directly, kept under water or used in the explosible, wet, corrosive and mildewed environment.
2. This contactor is transparent and has pilot lights.
3. Voltages DC12V-DC24V; AC9V-AC380V.

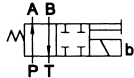
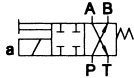
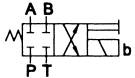
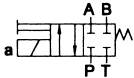
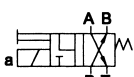
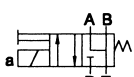
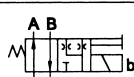
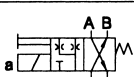
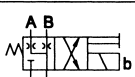
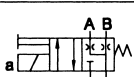
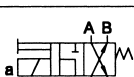
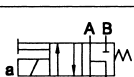
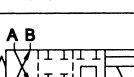
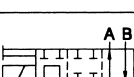
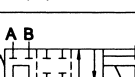
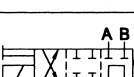
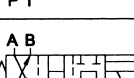
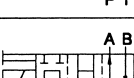
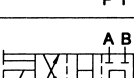
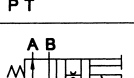
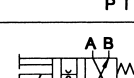
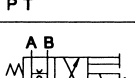
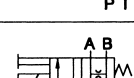
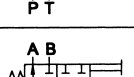
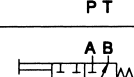
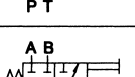
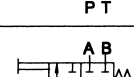
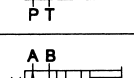
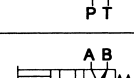
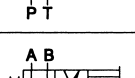
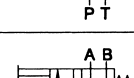
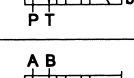
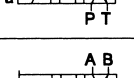
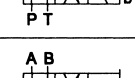
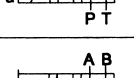
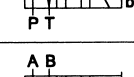
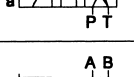
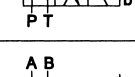
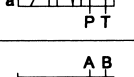
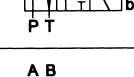
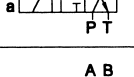
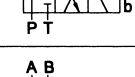
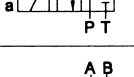
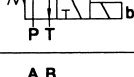
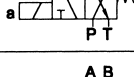
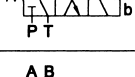
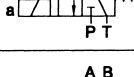
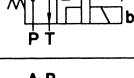
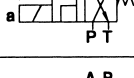
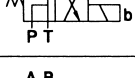
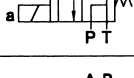
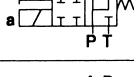
Solenoid Operated Directional Valve

DAIWER

2 POSITION NO SPRING	STANDARD ASSEMBLAGES	3 POSITION SPRING CENTER	STANDARD ASSEMBLAGES	2 POSITION NO SPRING	STANDARD ASSEMBLAGES
2A2		3C2		2D2	
2A3		3C3		2D3	
2A14		3C4		2D4	
2A2L		3C40		2D40	
2A3L		3C5		2D7	
2A14L		3C6		2D2A	
2B2		3C60		2D3A	
2B3		3C7		2D4A	
2B8		3C8		2D40A	
2B29		3C9		2D5A	
2B2L		3C10		2D6A	
2B3L		3C11		2D60A	
2B8L		3C12		2D7A	
2B29L		3C25		2D9A	
		3C29		2D10A	
		3C48		2D11A	
		3C94		2D12A	

Solenoid Operated Directional Valve

DAIWER

2 POSITON SPRING OFFSET	STANDARD ASSEMBLAGE	REVERSE ASSEMBLAGE	2 POSITON SPRING OFFSET	STANDARD ASSEMBLAGE	REVERSE ASSEMBLAGE
2B2A			2B2B		
2B3A			2B3B		
2B4A			2B4B		
2B40A			2B40B		
2B5A			2B5B		
2B6A			2B6B		
2B60A			2B60B		
2B7A			2B7B		
2B8A			2B8B		
2B9A			2B9B		
2B10A			2B10B		
2B11A			2B11B		
2B12A			2B12B		
2B25A			2B25B		
2B29A			2B29B		
2B48A			2B48B	