

Pilot operated 2-port solenoid valve General purpose

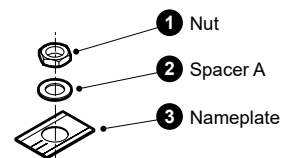
AD21 Series

●NC (open when energized)

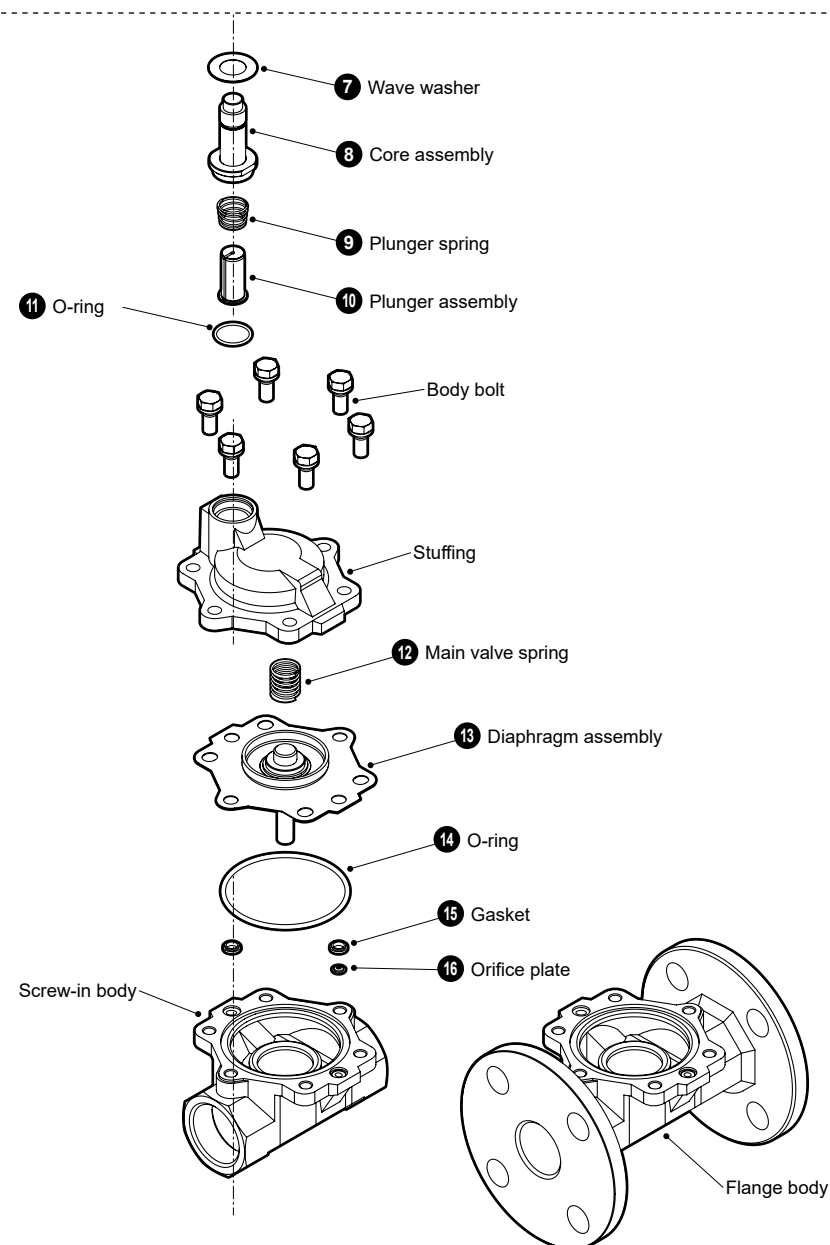
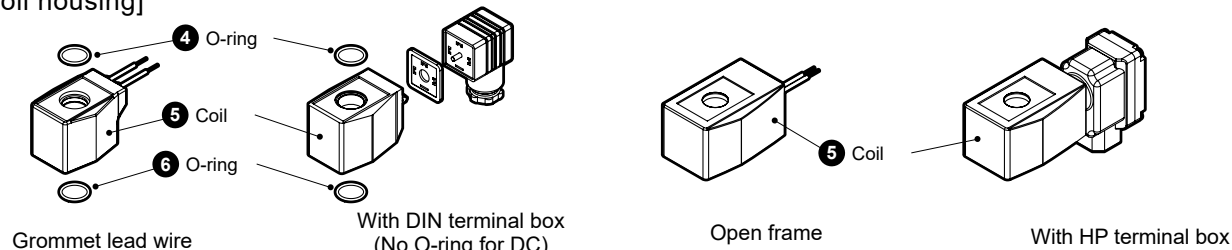
AD21 Series
NC (Normally closed)

Parts Expanded View

●AD21-32A / 32F / 40A / 40F / 50A / 50F



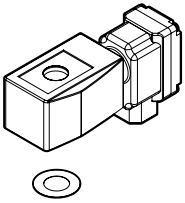
[Coil housing]



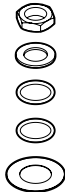
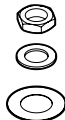
●Coil assembly

Coil housing	Voltage	Part model No.		Parts diagram	No.	Qty.
		Standard	With surge suppressor			
2C (Grommet lead wire) (surge suppressor included)	100 VAC	AD21-50A-2C-COIL-AC100V	AD21-50A-2CS-COIL-AC100V		4 5 6 7	1 each
	200 VAC	AD21-50A-2C-COIL-AC200V	AD21-50A-2CS-COIL-AC200V			
2E (DIN terminal box G1/2)	100 VAC	AD21-50A-2E-COIL-AC100V	AD21-50A-2ES-COIL-AC100V		4 5 6 7	1 each
	200 VAC	AD21-50A-2E-COIL-AC200V	AD21-50A-2ES-COIL-AC200V			
2G (DIN terminal box with Pg11)	100 VAC	AD21-50A-2G-COIL-AC100V	AD21-50A-2GS-COIL-AC100V		4 5 6 7	1 each
	200 VAC	AD21-50A-2G-COIL-AC200V	AD21-50A-2GS-COIL-AC200V			
2H (DIN terminal box with small lamp)	100 VAC	AD21-50A-2H-COIL-AC100V	AD21-50A-2HS-COIL-AC100V		4 5 6 7	1 each
	200 VAC	AD21-50A-2H-COIL-AC200V	AD21-50A-2HS-COIL-AC200V			
2E (DIN terminal box G1/2)	12 VDC	AD21-50A-2E-COIL-DC12V	AD21-50A-2ES-COIL-DC12V		5 7	1 each
	24 VDC	AD21-50A-2E-COIL-DC24V	AD21-50A-2ES-COIL-DC24V			
	48 VDC	AD21-50A-2E-COIL-DC48V	AD21-50A-2ES-COIL-DC48V			
	100 VDC	AD21-50A-2E-COIL-DC100V	AD21-50A-2ES-COIL-DC100V			
2G (DIN terminal box with Pg11)	12 VDC	AD21-50A-2G-COIL-DC12V	AD21-50A-2GS-COIL-DC12V		5 7	1 each
	24 VDC	AD21-50A-2G-COIL-DC24V	AD21-50A-2GS-COIL-DC24V			
	48 VDC	AD21-50A-2G-COIL-DC48V	AD21-50A-2GS-COIL-DC48V			
	100 VDC	AD21-50A-2G-COIL-DC100V	AD21-50A-2GS-COIL-DC100V			
2H (DIN terminal box with small lamp)	24 VDC	AD21-50A-2H-COIL-DC24V	-		5 7	1 each
	-	-	-			
3A (Open frame / lead wire) (surge suppressor included)	100 VAC	AD21-50A-3A-COIL-AC100V	AD21-50A-3AS-COIL-AC100V		5 7	1 each
	200 VAC	AD21-50A-3A-COIL-AC200V	AD21-50A-3AS-COIL-AC200V			
	12 VDC	AD21-50A-3A-COIL-DC12V	AD21-50A-3AS-COIL-DC12V			
	24 VDC	AD21-50A-3A-COIL-DC24V	AD21-50A-3AS-COIL-DC24V			
	48 VDC	AD21-50A-3A-COIL-DC48V	AD21-50A-3AS-COIL-DC48V			
4A (Open frame / lead wire) (Thermal class 180 (H)) (surge suppressor included)	100 VAC	AD21-50A-4A-COIL-AC100V	AD21-50A-4AS-COIL-AC100V		5 7	1 each
	200 VAC	AD21-50A-4A-COIL-AC200V	AD21-50A-4AS-COIL-AC200V			
5A (Open frame / lead wire) (diode integrated)	100 VAC	AD21-50A-5A-COIL-AC100V	-		5 7	1 each
	200 VAC	AD21-50A-5A-COIL-AC200V	-			
3M (Open frame / HP terminal box)	100 VAC	AD21-50A-3M-COIL-AC100V	AD21-50A-3MS-COIL-AC100V		5 7	1 each
	200 VAC	AD21-50A-3M-COIL-AC200V	AD21-50A-3MS-COIL-AC200V			
	12 VDC	AD21-50A-3M-COIL-DC12V	AD21-50A-3MS-COIL-DC12V			
	24 VDC	AD21-50A-3M-COIL-DC24V	AD21-50A-3MS-COIL-DC24V			
	48 VDC	AD21-50A-3M-COIL-DC48V	AD21-50A-3MS-COIL-DC48V			
3N (open frame/HP terminal box with lamp)	100 VAC	AD21-50A-3N-COIL-AC100V	AD21-50A-3NS-COIL-AC100V		5 7	1 each
	200 VAC	AD21-50A-3N-COIL-AC200V	AD21-50A-3NS-COIL-AC200V			
	12 VDC	AD21-50A-3N-COIL-DC12V	AD21-50A-3NS-COIL-DC12V			
	24 VDC	AD21-50A-3N-COIL-DC24V	AD21-50A-3NS-COIL-DC24V			
	100 VDC	AD21-50A-3N-COIL-DC100V	AD21-50A-3NS-COIL-DC100V			
4M (Open frame / HP terminal box)	100 VAC	AD21-50A-4M-COIL-AC100V	-		5 7	1 each
	200 VAC	AD21-50A-4M-COIL-AC200V	-			
4N (Open frame / HP terminal box / with lamp) (Thermal class 180 (H))	100 VAC	AD21-50A-4N-COIL-AC100V	-		5 7	1 each
	200 VAC	AD21-50A-4N-COIL-AC200V	-			
5M (Open frame/HP terminal box) (diode integrated)	100 VAC	AD21-50A-5M-COIL-AC100V	-		5 7	1 each
	200 VAC	AD21-50A-5M-COIL-AC200V	-			
5N (Open frame/HP terminal box with lamp) (diode integrated)	100 VAC	AD21-50A-5N-COIL-AC100V	-		5 7	1 each
	200 VAC	AD21-50A-5N-COIL-AC200V	-			

●Coil assembly (waterproof specification)

Coil housing	Voltage	Part model No.		Parts diagram	No.	Qty.
		Standard	With surge suppressor			
3I (Open frame / HP terminal box)	100 VAC	AD21-50A-3I-COIL-AC100V	AD21-50A-3IS-COIL-AC100V		5 7	1 each
	200 VAC	AD21-50A-3I-COIL-AC200V	AD21-50A-3IS-COIL-AC200V			
	12 VDC	AD21-50A-3I-COIL-DC12V	AD21-50A-3IS-COIL-DC12V			
	24 VDC	AD21-50A-3I-COIL-DC24V	AD21-50A-3IS-COIL-DC24V			
	48 VDC	AD21-50A-3I-COIL-DC48V	AD21-50A-3IS-COIL-DC48V			
	100 VDC	AD21-50A-3I-COIL-DC100V	AD21-50A-3IS-COIL-DC100V			
3J (open frame/HP terminal box with lamp)	100 VAC	AD21-50A-3J-COIL-AC100V	AD21-50A-3JS-COIL-AC100V			
	200 VAC	AD21-50A-3J-COIL-AC200V	AD21-50A-3JS-COIL-AC200V			
	12 VDC	AD21-50A-3J-COIL-DC12V	AD21-50A-3JS-COIL-DC12V			
	24 VDC	AD21-50A-3J-COIL-DC24V	AD21-50A-3JS-COIL-DC24V			
	100 VDC	AD21-50A-3J-COIL-DC100V	AD21-50A-3JS-COIL-DC100V			
5I (Open frame / HP terminal box) (diode integrated)	100 VAC	AD21-50A-5I-COIL-AC100V	-			
	200 VAC	AD21-50A-5I-COIL-AC200V	-			
5J (open frame/HP terminal box with lamp) (diode integrated)	100 VAC	AD21-50A-5J-COIL-AC100V	-			
	200 VAC	AD21-50A-5J-COIL-AC200V	-			

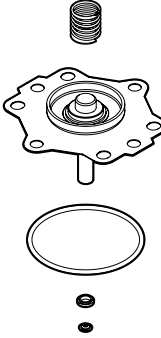
●Coil fixing parts kit

Coil housing	Part model No.	Parts diagram	No.	Qty.
2□-AC (with lead wire, DIN terminal box)	AD21-2-AC-COIL-FIXED-KIT		① ② ④ ⑥ ⑦	1 each
2□-DC (with DIN terminal box)	AD21-2-DC-COIL-FIXED-KIT		① ② ⑦	1 each
3□ (Open frame)	AD21-3-COIL-FIXED-KIT			
4□ (Open frame 180 (H))				
5□ (Open frame diode integrated)				

●Core assembly / plunger assembly kit

Body / Sealant	Coil housing	Voltage	Part model No.	Parts diagram	No.	Qty.
O (bronze / nitrile rubber) H (Bronze / nitrile rubber / oil-prohibited)	2□ (With lead wire, DIN terminal box)	AC	AD21-H2-AC-CP-KIT			1 each
	3□ (Open frame)	DC	AD21-H2-DC-CP-KIT			
	4□ (Open frame 180 (H))					
	5□ (Open frame diode integrated)	AC	AD21-H5-AC-CP-KIT			
D (stainless steel / nitrile rubber) L (Stainless steel / nitrile rubber (oil-prohibited))	2□ (With lead wire, DIN terminal box)	AC	AD21-L2-AC-CP-KIT			
	3□ (Open frame)	DC	AD21-L2-DC-CP-KIT			
	4□ (Open frame 180 (H))					
	5□ (Open frame diode integrated)	AC	AD21-L5-AC-CP-KIT			
B (bronze / fluoro rubber) J (Bronze / fluoro rubber oil-prohibited)	2□ (With lead wire, DIN terminal box)	AC	AD21-J2-AC-CP-KIT			
	3□ (Open frame)	DC	AD21-J2-DC-CP-KIT			
	4□ (Open frame 180 (H))					
	5□ (Open frame diode integrated)	AC	AD21-J5-AC-CP-KIT			
E (stainless steel / fluoro rubber) M (stainless steel / fluoro rubber oil-prohibited treatment)	2□ (With lead wire, DIN terminal box)	AC	AD21-M2-AC-CP-KIT			
	3□ (Open frame)	DC	AD21-M2-DC-CP-KIT			
	4□ (Open frame 180 (H))					
	5□ (Open frame diode integrated)	AC	AD21-M5-AC-CP-KIT			

●Diaphragm assembly kit

Port size	Body / Sealant	Part model No.	Parts diagram	No.	Qty.
32A	O (brass / nitrile rubber) H (brass / nitrile rubber oil-prohibited) D (stainless steel / nitrile rubber) L (stainless steel / nitrile rubber / oil-prohibited)	AD21-32A-H-D-KIT		12 13 14 15 16	1 1 1 2 1
	B (brass / fluoro rubber) J (brass / fluoro rubber oil-prohibited) E (stainless steel / nitrile rubber) M (stainless steel / nitrile rubber / oil-prohibited)	AD21-32A-J-D-KIT			
40A	O (brass / nitrile rubber) H (brass / nitrile rubber oil-prohibited) D (stainless steel / nitrile rubber) L (stainless steel / nitrile rubber / oil-prohibited)	AD21-40A-H-D-KIT			
	B (brass / fluoro rubber) J (brass / fluoro rubber oil-prohibited) E (stainless steel / nitrile rubber) M (stainless steel / nitrile rubber / oil-prohibited)	AD21-40A-J-D-KIT			
50A	O (brass / nitrile rubber) H (brass / nitrile rubber oil-prohibited) D (stainless steel / nitrile rubber) L (stainless steel / nitrile rubber / oil-prohibited)	AD21-50A-H-D-KIT			
	B (brass / fluoro rubber) J (brass / fluoro rubber oil-prohibited) E (stainless steel / nitrile rubber) M (stainless steel / nitrile rubber / oil-prohibited)	AD21-50A-J-D-KIT			