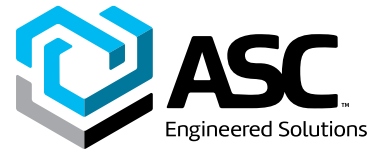
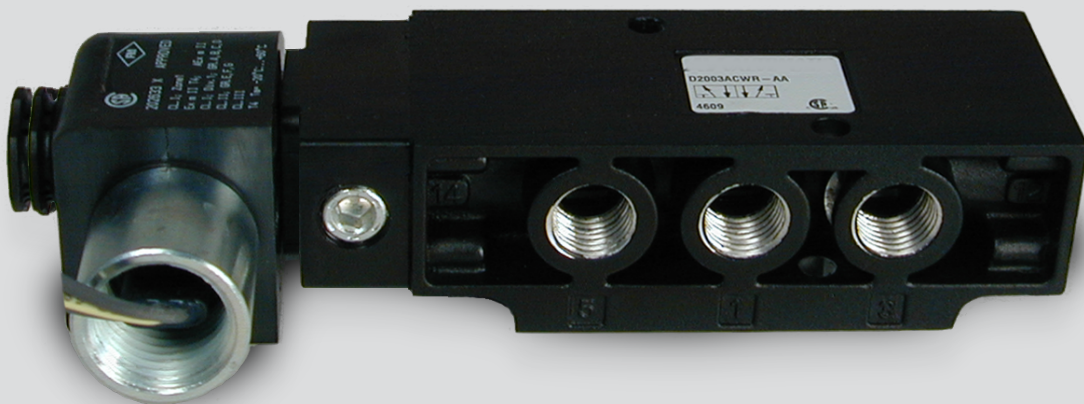


Building connections that last™



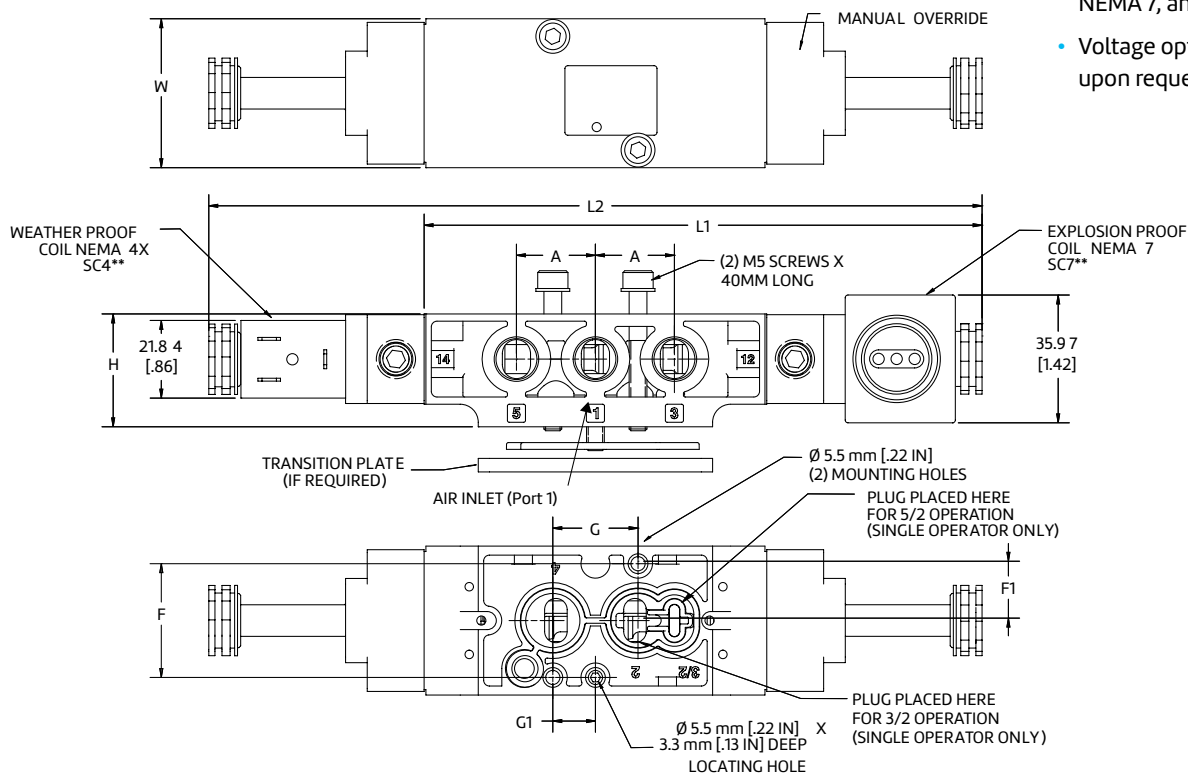
Sharpe® Series Solenoid Valves Datasheet



Sharpe® Series Solenoid Valves



- Aluminum body
- NBR seals
- Manual override
- High flow: 1.8 CV
- ½" conduit connection to coil
- ¼" port size
- Body can be converted between ½ (double acting) and ¾ (spring return)
- Coils and flange tubes are rated to CSA/UL
- Same body accepts NEMA 4, NEMA 7, and ATEX coils
- Voltage options available upon request







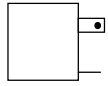
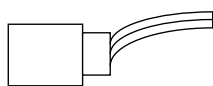
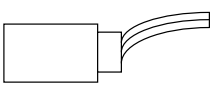
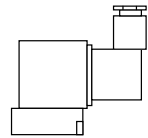
Dimensions

Setup	Unit	A	C	F	F1	G	G1	H	L1	L2	W
Single	in	0.88	0.75	1.25	0.63	0.94	0.47	1.25	6.15	-	1.65
	mm	22.2	19.1	32.0	16.0	23.9	11.9	31.7	157	-	41.9
Double	in	0.88	0.75	1.26	0.63	0.94	0.47	1.25	-	8.55	1.65
	mm	22.2	19.1	32.0	16.0	23.9	11.9	31.7	-	217	41.9

Solenoids Electrical Information

Parts & Materials

Connectors (Not Polarity Dependent)						
DIN 43650 Industrial Form B						
	Maximum Cable Diameter: 9mm (0.35")			Strain Relief with Light & 6' Cord		
Type	Strain Relief Without Cord	Strain Relief with Light		½" Conduit without Cord	100–240 AC 48–120 DC	6–48 AC/DC
		100–240 AC 48–120 DC	6–48 AC/DC			
Part Number	SR7020–001	SRL7020–AA	SRL7020–DB	DIN PLUG	SRLC–7094–006	SRLC–7094–007

Coil Parts Numbers						
Coil Part Number ** = Voltage	Description		Operator Type	Instructions	Lb.	
SC4*	Weather-Proof DIN 43650 Industrial Form B Connection NEMA 4X		W	Order coil separately (specify voltage code from below)	0.12	
SC4**C SC4**CT (High Temp 82°C Max)	Weather-Proof ½" Conduit with 30" Leads NEMA 4X		W	Order coil separately (specify voltage code from below)	0.12	
SC7**	Explosion-Proof ½" Conduit with 24" Leads CSA & FM Approved CL. I; Zone1 Ex m II T4; AEx m II CL. I; Div.1; GR. A, B, C, D CL. II; GR. E, F, G CL. III T4 Ta=-20°C to +60°C NEMA 4, 4X, 7C, 7D, 9		W	Order coil separately (specify voltage code from below)	0.44	
SCI2D	Intrinsically-Safe Strain Relief Ex ia CL. I; GR. A,B,C,D CL. II; GR.E,F,G CL. III; Div.1; T5		V	Coil and Connector included with valve (24VDC only)	0.46	

Note:
SCI2D Must be used with an Intrinsically-Safe Barrier.

Solenoids Electrical Information

Voltage Codes Lower Wattage Available, Upon Request

**Code	Operator Type	Current (Amps)								Resistance (OHMs @ 25°C)			Power (AC=VA, DC=Watts)				
		Inrush				Holding											
		W		V	Z	W		V	Z	W	V	Z	W	V	Z		
		NEMA		ATEX		NEMA		ATEX		NEMA		ATEX		NEMA		ATEX	
	Voltage% +/-10	4, 4x	7,9	Ex ia	Exm	4, 4x	7, 9	Ex ia	Ex m	4, 4x	Ex ia	Ex m	4, 4x	7, 9	Ex ia	Exm	
2A	22/50																
		.36	-	-	-	.24	-	-	-	32	-	-	-	6.9	-	-	-
	24/60																
12	120/50																
		.08	.10	-	.04	.05	.05	-	.03	840	530	-	1164	6.9	6.5	-	3.4
	120/60																
22	230/50																
		.04	.05	-	0.2	.03	.03	-	.01	3310	2345	-	6730	6.4	6.8	-	3.3
	230/60																
1D	12 VDC	.38	.38	-	.27	.38	.38	-	.27	32	32	-	45	4.8	4.5	-	3.5
2D	24 VDC	.20	.19	.05	.14	.20	.19	.05	.14	121	128	275	177	4.8	4.5	1.6	3.5

Fig: X2003AAWR-1-2D

Description: Coil Right – Intrinsically Safe – 24 VCD

Solenoids Part Number Chart

Body		NEMA Class		Voltage	
S2003ACWR	COIL LEFT FOR SPNII AND OTHER ACTUATORS THAT REQUIRE AIR TO COME IN ON THE LEFT IN SPRING RETURN MODE	4	NEMA 4X	12	120 VAC
X2003AAWR	COIL RIGHT FOR X AND OTHER ACTUATORS THAT REQUIRE AIR TO COME IN ON THE RIGHT IN SPRING RETURN MODE	7	NEMA 7/9	22	240 VAC
		1	INTRINSICALLY SAFE – 24 VDC ONLY	2A	24 VAC
				1D	12 VDC
				2D	24 VDC

About ASC Engineered Solutions

ASC Engineered Solutions is defined by quality—in its products, services and support. With more than 1,400 employees, the company's portfolio of precision-engineered piping support, valves and connections provides products to more than 4,000 customers across industries, such as mechanical, industrial, fire protection, oil and gas, and commercial and residential construction. Its portfolio of leading brands includes ABZ Valve®, AFCON®, Anvil®, Anvil EPS, Anvil Services, Basic-PSA, Beck®, Catawissa, Cooplet®, FlexHead®, FPPI®, Gruvlok®, J.B. Smith, Merit®, North Alabama Pipe, Quadrant®, SCI®, Sharpe®, SlideLOK®, SPF® and SprinkFLEX®. With headquarters in Commerce, CA, and Exeter, NH, ASC also has ISO 9001:2015 certified production facilities in PA, TN, IL, TX, AL, LA, KS, and RI.



asc-es.com

Building connections that last™

FC-DS-Series-Solenoids-Valves-v02 20220112

