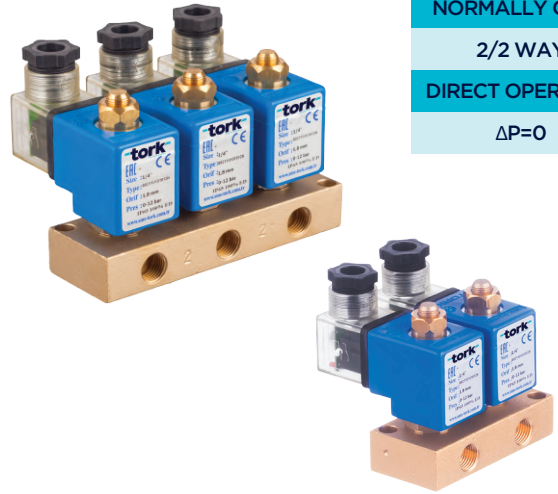


Group Solenoid Valves S8211 Series (G1/8", G1/4")

GENERAL FEATURES

- TORK series S8211 direct acting group solenoid valves are 2/2 way normally open
- Suitable for non-aggressive liquids (water, light oil (2E) etc...), gaseous fluids (air, inert gases etc...)
- Working Temperature: -10 °C/ +80 °C
- Don't require any differential pressure
- Compact and low weight valve enabling easy and quick installation
- High reliability, quality and performance; long life, corrosion resistance
- Ideal for the automatic control of media in a wide range of applications .
- On request; 1,8 - 3- and 4 mm orifice and high flow rate
- Value referred to each single operator
- TORK solenoid valves satisfy relevant 97/23/EC, Pressure Equipment Directive (PED) and 2006/95/EEC Low Voltage Directive (LVD).
- Coils interchangeable
- Solenoid valves must be used with filtered fluids.
- Solenoid valve can be mounted in any position without affecting operation; vertical with coil upwards preferred.
- Standard pipe connection is G (BSP) (ISO 228-1) and on request; other pipe connections are available (NPT (ANSI 1.20.3))



NORMALLY OPEN

2/2 WAY

DIRECT OPERATED

ΔP=0

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)
Coil Impregnation	: Polyester Fiber Glass
Coil Encapsulation Material	: Fiber Glass Reinforced
Ambient Temperature	: from -10°C, +60°C
Protection Degree	: IP65 (ISO 60529) On request; IP68
Electric Plug Connection	: DIN 46340 3 - Poles Connector (DIN43650)
Connector Specification	: ISO 4400 / EN 175301-803 Form A, Spade Plug (Cable Ø6-8 mm)
Electrical Safety	: IEC 335
Standard Voltages	: AC 12V 15VA, 24V 15VA, 48V 15VA, 1 10V 15VA, 230V 15VA, 230V 24VA DC 12V 18W, 24V 18W, 48V 18W, 110V 18W

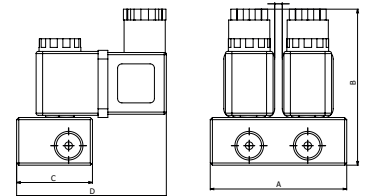
On request other voltages

Voltages Tolerance : For AC -15%; +10%, For DC -5%; +10%

Frequency : 50Hz, 60Hz

On request; Connector with LED, PWM Socket

Specify coil voltage with order



Dimensions (mm)

	G	A	B	C	D	E
1 Input - 2 Output	1/8"	65	85	40	77	6.2
	1/4"	65	85	40	77	6.2
1 Input - 3 Output	1/8"	125	85	40	77	6.2
	1/4"	125	85	40	77	6.2

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel
Sealing	: NBR
Shading Ring	: Copper
Seats	: Brass
Core Tube	: Stainless Steel
Springs	: Stainless Steel
On request; nickel plated body	
On request; sealing can be FPM (VITON), EPDM	

TECHNICAL FEATURES

Max. Viscosity : 5°E (-37cST veya mm²/s)

Response Time : Opening time : 30 ms

Closing Time : 30 ms

Code Explain: S8211.00.025 - 2 - 1



OPTIONS

Female connection: BSP; (On request NPT)

- On request CR-Ni plated, PTFE coated done
- On request Atex (exproof) coil.

SEALS FEATURES

NBR	: -10°C...+80°C
EPDM	: -10°C...+130°C
VITON	: -10°C...+160°C
PTFE	: -10°C...+160°C
RUBY	: -10°C...+160°C

Coils	Nominal Values	Cold/Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40024VDC18W	24VDC 18W	COLD HOT	20,88 14,64	20,88 14,64	0,87 0,61	25 116
C40110VDC18W	110VDC 18W	COLD HOT	19,96 13,56	19,96 13,56	0,18 0,123	23 115
C40012VAC15VA	12VAC 15VA	COLD HOT	23,81 -	16,43 15,86	1,3 1,262	25 79
C40024VAC15VA	24VAC 15VA	COLD HOT	25,82 -	15,02 13,91	0,62 0,57	22 81
C40110VAC15VA	110VAC 15VA	COLD HOT	30,65 -	15,17 13,96	0,137 0,126	24 80
C40230VAC15VA	230VAC 15VA	COLD HOT	31,4 -	15,64 14,41	0,068 0,063	25 80
C40230VAC15VA	230VAC 24VA	COLD HOT	45,1 -	23,92 21,62	0,0154 0,0154	23 100

Valve Type/ Order No	Connection Size	Orifis Ölçüsü	Pressure		Kv	Fluid Temperature		Seal			Weight
			min	max		°C		NBR	Opsiyon		
			Bar	Bar		min	max		Viton	EPDM	
S8211	G	mm	Bar	Bar	l/min						
S 8211.00.025.12	1/8"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.25
S 8211.00.025.13	1/8"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.75
S 8211.00.025.14	1/8"	2.5	0	10	2.8	-10	80	✓	✓	✓	2.25
S 8211.00.025.21	1/8"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.07
S 8211.00.025.31	1/8"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.45
S 8211.00.025.41	1/8"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.68
S 8211.01.025.12	1/4"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.15
S 8211.01.025.13	1/4"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.65
S 8211.01.025.14	1/4"	2.5	0	10	2.8	-10	80	✓	✓	✓	2.15
S 8211.01.025.21	1/4"	2.5	0	10	2.8	-10	80	✓	✓	✓	0.97
S 8211.01.025.31	1/4"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.35
S 8211.01.025.41	1/4"	2.5	0	10	2.8	-10	80	✓	✓	✓	1.58