

2/2-Wege-Magnetventil

2/2-Wege-Ausführung

Artikel Nr. 148598

Typen Nr. MVA.MS.230V.G18.0-50B



Beispielhafte Darstellung

Die Standardbaureihe in den Ausführungen

- direktgesteuert

- vorgesteuert

Gerätesteckdose nach ISO 4400

Mediumtemperatur max. 80 °C

Technische Informationen

Gewinde	G 1/8 IG
Betriebsdruck	0 - 50 bar
Spannung	230 V AC
Gehäuse	Messing
Ventilsitz	Edelstahl / Messing
Innenteile	Edelstahl / Messing
Dichtmaterial	NBR
Mediumtemperatur	-10 bis 80 °C
Umgebungstemperatur	-10 bis 60 °C
Bauform	3
Schutzart	IP 65
Elektrischer Anschluss	ISO 4400 / EN 175301-803 Bauform A
Gewindenorm	DIN EN ISO 228-1
Öffnung	1,8 mm
A	78,0 mm
B	40,0 mm
C	90,0 mm

Kaufmännische Daten

Zolltarifnummer	84812090
Ursprungsland	TR
eCl@ss 5.1.4	27220601
eCl@ss 9.0	27220601
UNSPSC_Code_v190501	40141605
UNSPSC_CodeDesc_v190501	Solenoid valves

Material Informationen

REACH SVHC1 Stoff Name	lead
CAS-Nr. SVHC 1	7439-92-1
RoHS Werkstoff-Hinweis	RoHS compliant
REACH Info	contains SVHC substance

General Purpose Solenoid Valves S1013 Series (G1/8", G1/4")

GENERAL FEATURES

- Wide pressure range, flow rate and orific options.
- Solenoid valves are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Polyester Fiber Glass
Ambient Temperature	: -10°C, +60°C
Protection Degree	: IP65 (ISO 60529) On request; IP68
Electric Plug Connection	: DIN 46340 3-Poles Connector (DIN 43650)
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, 110V 15VA, 230V 15VA, 230V 24VA DC 12V 18W, 24V 18W, 48V 18W, 110V 18W

On request other voltages

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

Frequency : 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel, Brass
Sealing	: NBR(On request; EPDM, VITON, TEFLON)
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

- Female connection: BSP; (On request NPT)
- On request CR-Ni plated, PTFE coated done
- On request Atex (explosion proof) coil.

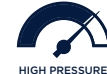
TECHNICAL FEATURES

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

Response Time : Opening time : 30 ms
Closing Time : 30 ms

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



HIGH PRESSURE

NORMALLY CLOSED

2/2 OPERATED

DIRECT ACTING

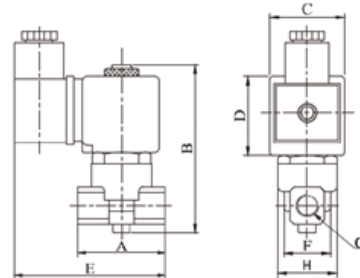
ΔP=0



WATER AND LIQUID



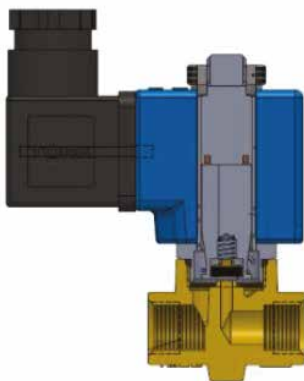
AIR

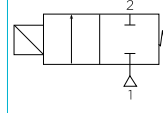


Dimensions (mm)

G	A	B	C	D	E	F	H
1/8"	40	90	32	39	78	22.3	25.6
1/4"	40	90	32	39	78	22.3	25.6

Coils	Nominal Values	Cold/Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	COLD HOT	19,56 14,52	19,56 14,52	1,63 1,21	20 106
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
C40230VAC24VA	230VAC 24VA	COLD HOT	45,1 -	23,92 21,62	0,0154 0,0154	23 100



Solenoid Valve Symbol	Valve Type/Order No	Connection Size	Orifice Size	Pressure min/max	Kv	Seal	Weight
	S1011	G	mm	Bar	Bar	l/min	
	S1013.00.010	1/8"	1	0	100*	0,5	✓
	S1013.00.015	1/8"	1,5	0	70	1,2	✓
	S1013.00.018	1/8"	1,8	0	50	1,6	✓
	S1013.00.025	1/8"	2,5	0	20	3,2	✓
	S1013.01.010	1/4"	1	0	100*	0,5	✓
	S1013.01.015	1/4"	1,5	0	70	1,2	✓
	S1013.01.018	1/4"	1,8	0	50	1,6	✓
	S1013.01.025	1/4"	2,5	0	20	3,2	✓

*For product no S1013.00.010 and S1013.01.010, maximum pressure value is 70 bar with NBR, EPDM and Viton gasket, maximum pressure is 100 bar with Teflon gasket.

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

TS1013EN-250515

Not: Please look catalogues for more details

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GENERAL FEATURES

- ## ELECTRICAL CHARACTERISTICS

On request other voltages

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

Frequency : 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket Specify

coil voltage with order

MATERIALS IN CONTACT WITH FLUID

MATERIALS IN CONTACT WITH LIQUID

Body	: Brass
Internal Parts	: Stainless Steel, Brass
Sealing	: NBR(On request; EPDM, VITON, TEFLON)
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel, Brass

OPTIONS

Female connection: BSP: (On request NPT)

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

TECHNICAL FEATURES

Max. Viscosity : 5°E (~37cST veya mm²/s)
 Response Time : Opening time : 400 ms - 1600 ms
 Closing Time : 1000 ms - 2000 ms

SEALS FEATURES

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



HIGH PRESSURE

NORMALLY CLOSED

2/2 OPERATED

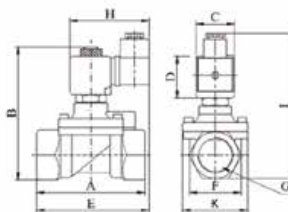
PILOT OPERATED

 $\Delta P = 0.5$ 

WATER and LIQUID



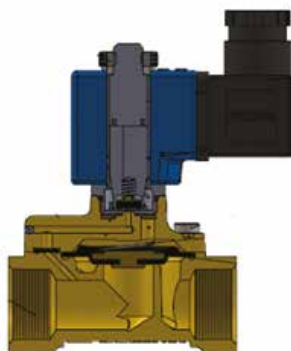
AIR



Dimensions (mm)

G	A	B	C	D	E	F	K	H	I
3/8"	72	97	32	45	94	37.5	52	76	108
1/2"	80	100	32	45	95	39.8	52	76	110
3/4"	79	107.3	32	45	97	41.5	52	76	118
1"	85	113	32	45	98	42.5	52	76	124

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
		HOT	14,52	14,52	1,21	106
C40024VDC18W	24VDC 18W	COLD	20,88	20,88	0,87	25
		HOT	14,64	14,64	0,61	116
C40110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
C40012VAC15VA	12VAC 15VA	COLD	23,81	16,43	1,3	25
		HOT	-	15,86	1,262	79
C40024VAC15VA	24VAC 15VA	COLD	25,82	15,02	0,62	22
		HOT	-	13,91	0,57	81
C40110VAC15VA	110VAC 15VA	COLD	30,65	15,17	0,137	24
		HOT	-	13,96	0,126	80
C40230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C40230VAC24VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100



Solenoid Valve Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal			Weight
	SI013	G	mm	Bar	Bar	Lt/dk	Opsiyon			kg
							NER TERLON	Viton TERLON	EPDM TERLON	
	SI013.02.125	3/8"	12.5	0.5	40	48	✓	✓	✓	0.69
	SI013.03.145	1/2"	14.5	0.5	40	70	✓	✓	✓	0.73
	SI013.04.170	3/4"	17	0.5	40	90	✓	✓	✓	0.81
	SI013.05.170	1"	17	0.5	40	90	✓	✓	✓	0.98

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120.3)) are available on request.
- TORQ solenoid valves 97/23/EC are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details

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General Purpose Solenoid Valves S1013 Series (G1/8", G1/4")

GENERAL FEATURES

- Wide pressure range, flow rate and orific options.
- Solenoid valves are used with filters.
- Solenoid valves can be mounted in any position without affecting its operation.
- Coil to be used in a vertical position.

ELECTRICAL CHARACTERISTICS

Continuous Duty	: ED %100
Coil Insulation Class	: H (180°C)(IEC 85)
Coil Impregnation	: Polyester Fiber Glass
Ambient Temperature	: -10°C, +60°C
Protection Degree	: IP65 (ISO 60529) On request; IP68
Electric Plug Connection	: DIN 46340 3-Poles Connector (DIN 43650)
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, 110V 15VA, 230V 15VA, 230V 24VA, DC 12V 18W, 24V 18W, 48V 18W, 110V 18W

On request other voltages

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

Frequency : 50 Hz (60 Hz...)

On request; Connector with LED, PWM Socket Specify coil voltage with order

MATERIALS IN CONTACT WITH FLUID

Body	: Brass
Internal Parts	: Stainless Steel, Brass
Sealing	: NBR(On request; EPDM, VITON, TEFLON)
Shading Ring	: Copper (EN 12735-1)
Seats, Core Tube, Springs	: Stainless Steel

OPTIONS

- Female connection: BSP; (On request NPT)
- On request CR-Ni plated, PTFE coated done
- On request Atex (explosion proof) coil.

TECHNICAL FEATURES

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

Response Time : Opening time : 30 ms
Closing Time : 30 ms

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



HIGH PRESSURE

NORMALLY CLOSED

2/2 OPERATED

DIRECT ACTING

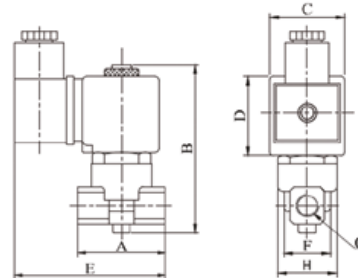
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WATER AND LIQUID



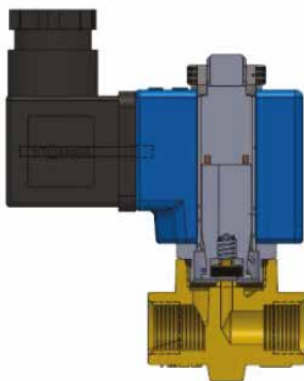
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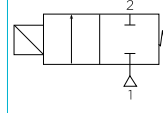


Dimensions (mm)

G	A	B	C	D	E	F	H
1/8"	40	90	32	39	78	22.3	25.6
1/4"	40	90	32	39	78	22.3	25.6

Coils	Nominal Values	Cold/Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	COLD HOT	19,56 14,52	19,56 14,52	1,63 1,21	20 106
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
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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
C40230VAC24VA	230VAC 24VA	COLD HOT	45,1 -	23,92 21,62	0,0154 0,0154	23 100



Solenoid Valve Symbol	Valve Type/Order No	Connection Size	Orifice Size	Pressure min/max	Kv	Seal	Weight
	S1011	G	mm	Bar	Bar	l/min	
	S1013.00.010	1/8"	1	0	100*	0,5	✓
	S1013.00.015	1/8"	1,5	0	70	1,2	✓
	S1013.00.018	1/8"	1,8	0	50	1,6	✓
	S1013.00.025	1/8"	2,5	0	20	3,2	✓
	S1013.01.010	1/4"	1	0	100*	0,5	✓
	S1013.01.015	1/4"	1,5	0	70	1,2	✓
	S1013.01.018	1/4"	1,8	0	50	1,6	✓
	S1013.01.025	1/4"	2,5	0	20	3,2	✓

*For product no S1013.00.010 and S1013.01.010, maximum pressure value is 70 bar with NBR, EPDM and Viton gasket, maximum pressure is 100 bar with Teflon gasket.

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120.3)) are available on request.
- TORK solenoid valves 97/23/EC, are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

TS1013EN-250515

Not: Please look catalogues for more details

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Female connection: BSP: (On request NPT)

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 VITON : -10°C...+160°C
 PTFE : -10°C...+160°C
 RUBY : -10°C...+160°C



HIGH PRESSURE

NORMALLY CLOSED

2/2 OPERATED

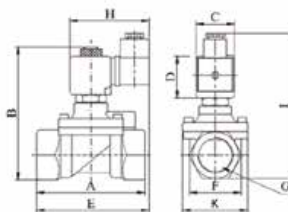
PILOT OPERATED

 $\Delta P=0.5$ 

WATER and LIQUID



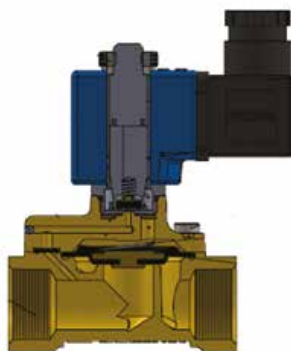
AIR



Dimensions (mm)

G	A	B	C	D	E	F	K	H	I
3/8"	72	97	32	45	94	37.5	52	76	108
1/2"	80	100	32	45	95	39.8	52	76	110
3/4"	79	107.3	32	45	97	41.5	52	76	118
1"	85	113	32	45	98	42.5	52	76	124

Coils	Nominal Values	Cold/ Hot	Inrush	Holding	Current (A)	Surface Temperature (°C)
C40012VDC18W	12VDC 18W	COLD	19,56	19,56	1,63	20
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		HOT	14,64	14,64	0,61	116
C40110VDC18W	110VDC 18W	COLD	19,96	19,96	0,18	23
		HOT	13,56	13,56	0,123	115
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		HOT	-	13,96	0,126	80
C40230VAC15VA	230VAC 15VA	COLD	31,4	15,64	0,068	25
		HOT	-	14,41	0,063	80
C40230VAC24VA	230VAC 24VA	COLD	45,1	23,92	0,0154	23
		HOT	-	21,62	0,0154	100



Solenoid Vave Symbol	Valve Type/ Order No	Connection Size	Orifice Size	Pressure min/max		Kv	Seal			Weight
	SI013	G	mm	Bar	Bar	Lt/dk	EPDM TERLON	Viton TERLON	EPDM TERLON	kg
	SI013.02.125	3/8"	12.5	0.5	40	48	✓	✓	✓	0.69
	SI013.03.145	1/2"	14.5	0.5	40	70	✓	✓	✓	0.73
	SI013.04.170	3/4"	17	0.5	40	90	✓	✓	✓	0.81
	SI013.05.170	1"	17	0.5	40	90	✓	✓	✓	0.90

STANDARDS

- Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120.3)) are available on request.
- TORQ solenoid valves 97/23/EC are available for pressure equipment directive (PED) and 2006/95/ECC low voltage directive (LVD).

Not: Please look catalogues for more details

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Die Eignungsprüfung obliegt dem/der Anwender*in.
16.04.2026 Die angegebenen Daten stellen keine rechtlich zugesicherten Eigenschaften dar.