

2/2-Wege-Magnetventil

2/2-Wege-Ausführung

Artikel Nr. 148604

Typen Nr. MVA.MS.230V.G12.0-50B



Beispielhafte Darstellung

Die Standardbaureihe in den Ausführungen

- direktgesteuert
- vorgesteuert

Gerätesteckdose nach ISO 4400

Mediumstemperatur max. 80 °C

Technische Informationen

| | |
|------------------------|------------------------------------|
| Gehäuse | Messing |
| Ventilsitz | Edelstahl |
| Innenteile | Edelstahl |
| Schutzart | IP 65 |
| Bauform | 1 |
| Gewinde | G 1/2 IG |
| Spannung | 230 V AC |
| Betriebsdruck | 0 - 50 bar |
| Dichtmaterial | NBR |
| Elektrischer Anschluss | ISO 4400 / EN 175301-803 Bauform A |
| Mediumstemperatur | -10 bis 80 °C |
| Umgebungstemperatur | -10 bis 60 °C |
| Gewindenorm | DIN EN ISO 228-1 |
| Öffnung | 1,8 mm |
| A | 79,5 mm |
| B | 50 mm |
| C | 80,5 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 S1053 Series (G3/8", G1/2")

GENERAL FEATURES

- Coil Impregnation : Reinforced Fiber Glass
- Protection Class : IP65 (ISO 60529) On request; IP68
- Connector Specification : ISO 4400 / EN 175301-803 Form A, Terminal (Cable Ø6-8 mm)
- On request; Connector with LED, PWM Socket. Specify coil voltage with order. See coil section for detailed information.

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



NORMALLY CLOSED

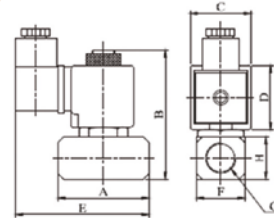
2/2 OPERATED

DIRECT ACTING

ΔP=0



| Dimensions (mm) | | | | | | | |
|-----------------|----|------|----|------|------|----|----|
| G | A | B | C | D | E | F | H |
| 3/8" | 50 | 80.5 | 32 | 38.9 | 79.5 | 25 | 25 |
| 1/2" | 50 | 80.5 | 32 | 38.9 | 79.5 | 25 | 25 |



MATERIALS

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

OPTIONS

Connection: BSP; (On request NPT)
 • On request CR-Ni or PTFE coated
 • On request ATEX (explosion proof) coil.

TECHNICAL FEATURES

Max. Viscosity : 5°E (-37cST veya mm²/s)
 Response Time : Opening time : 30 ms
 Closing Time : 30 ms

| 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 | |
|-----------------------|---------------------|-----------------|--------------|------------------|-----|-------|-------|------|--------|------|
| | | | | | | NBR | Viton | EPDM | | |
| | S1053 | G | mm | Bar | Bar | l/min | | | | |
| | S1053.02.018 | 3/8" | 1.8 | 0 | 50 | 1.6 | ✓ | ✓ | ✓ | 0.48 |
| | S1053.02.025 | | 2.5 | 0 | 20 | 3.2 | ✓ | ✓ | ✓ | 0.48 |
| | S1053.03.018 | 1/2" | 1.8 | 0 | 50 | 1.6 | ✓ | ✓ | ✓ | 0.47 |
| S1053.03.025 | 2.5 | | 0 | 20 | 3.2 | ✓ | ✓ | ✓ | 0.47 | |

STANDARDS

• Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120.3)) are available on request.
 • TORIK 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

General Purpose Solenoid Valves S1053 Series (G3/4", G1")

GENERAL FEATURES

- Coil Impregnation : Reinforced Fiber Glass
- Protection Class : IP65 (ISO 60529) On request; IP68
- Connector Specification : ISO 4400 / EN 175301-803 Form A, Terminal (Cable Ø6-8 mm)
- On request; Connector with LED, PWM Socket. Specify coil voltage with order. See coil section for detailed information.

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



NORMALLY CLOSED

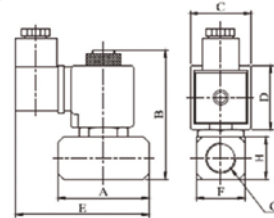
2/2 OPERATED

DIRECT ACTING

ΔP=0



| Dimensions (mm) | | | | | | | |
|-----------------|----|----|----|------|------|----|----|
| G | A | B | C | D | E | F | H |
| 3/4" | 55 | 84 | 32 | 38.9 | 83.7 | 32 | 32 |
| 1" | 60 | 92 | 32 | 38.9 | 86.2 | 40 | 40 |



MATERIALS

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

OPTIONS

Connection: BSP; (On request NPT)
 • On request CR-Ni or PTFE coated
 • On request ATEX (explosion proof) coil.

TECHNICAL FEATURES

Max. Viscosity : 5°E (-37cSt veya mm²/s)
 Response Time : Opening time : 30 ms
 Closing Time : 30 ms

| 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 |
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| | | HOT | - | 13.96 | 0.126 | 80 |
| C40230VAC15VA | 230VAC 15VA | COLD | 31.4 | 15.64 | 0.068 | 25 |
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| 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 | |
|-----------------------|----------------------|-----------------|--------------|------------------|-----|-------|-------|------|--------|------|
| | | | | | | NBR | Viton | EPDM | | |
| | S1053 | G | mm | Bar | Bar | l/min | | | | kg |
| | S1053.04.018 | 3/4" | 1.8 | 0 | 50 | 1.6 | ✓ | ✓ | ✓ | 0.79 |
| | S1053.04.025 | | 2.5 | 0 | 20 | 3.2 | ✓ | ✓ | ✓ | 0.79 |
| | S1053.05.018 | 1" | 1.8 | 0 | 50 | 1.6 | ✓ | ✓ | ✓ | 0.77 |
| S1053.05.025 | 2.5 | | 0 | 20 | 3.2 | ✓ | ✓ | ✓ | 0.77 | |

STANDARDS

• Standard tube connection G (BSP) (ISO 228-1) and other tube connections (NPT (ANSI 120.3)) are available on request.
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| Continuous Duty | : ED %100 |
| Coil Insulation Class | : H (180°C)(IEC 85) |
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On request other voltages
 Voltages Tolerance : AC -15%, +10% DC -5%, +10%
 Frequency : 50 Hz (60 Hz...)
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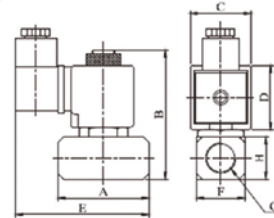
2/2 OPERATED

DIRECT ACTING

ΔP=0



| Dimensions (mm) | | | | | | | |
|-----------------|----|------|----|------|------|----|----|
| G | A | B | C | D | E | F | H |
| 3/8" | 50 | 80.5 | 32 | 38.9 | 79.5 | 25 | 25 |
| 1/2" | 50 | 80.5 | 32 | 38.9 | 79.5 | 25 | 25 |



MATERIALS

Body : Brass
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Max. Viscosity : 5°E (-37cST veya mm²/s)
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| Coils | Nominal Values | Cold/Hot | Inrush | Holding | Current (A) | Surface Temperature (°C) |
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| Solenoid Valve Symbol | Valve Type/Order No | Connection Size | Orifice Size | Pressure min/max | Kv | Seal | | | Weight | |
|-----------------------|---------------------|-----------------|--------------|------------------|-----|-------|-------|------|--------|------|
| | | | | | | NBR | Viton | EPDM | | |
| | S1053 | G | mm | Bar | Bar | l/min | | | | kg |
| | S1053.02.018 | 3/8" | 1.8 | 0 | 50 | 1.6 | ✓ | ✓ | ✓ | 0.48 |
| | S1053.02.025 | | 2.5 | 0 | 20 | 3.2 | ✓ | ✓ | ✓ | 0.48 |
| | S1053.03.018 | 1/2" | 1.8 | 0 | 50 | 1.6 | ✓ | ✓ | ✓ | 0.47 |
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On request other voltages
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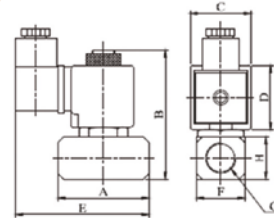
2/2 OPERATED

DIRECT ACTING

ΔP=0



| Dimensions (mm) | | | | | | | |
|-----------------|----|----|----|------|------|----|----|
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| 3/4" | 55 | 84 | 32 | 38.9 | 83.7 | 32 | 32 |
| 1" | 60 | 92 | 32 | 38.9 | 86.2 | 40 | 40 |



MATERIALS

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| Solenoid Valve Symbol | Valve Type/ Order No | Connection Size | Orifice Size | Pressure min/max | Kv | Seal | | | Weight | |
|-----------------------|----------------------|-----------------|--------------|------------------|-----|-------|-------|------|--------|------|
| | | | | | | NBR | Viton | EPDM | | |
| | S1053 | G | mm | Bar | Bar | l/min | | | | kg |
| | S1053.04.018 | 3/4" | 1.8 | 0 | 50 | 1.6 | ✓ | ✓ | ✓ | 0.79 |
| | S1053.04.025 | | 2.5 | 0 | 20 | 3.2 | ✓ | ✓ | ✓ | 0.79 |
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