

Impuls-Magnetventil In-line mit 5/2- oder 5/3-wege Funktion

Bistable solenoid valve In-line
with 5/2 or 5/3 way function

in-line

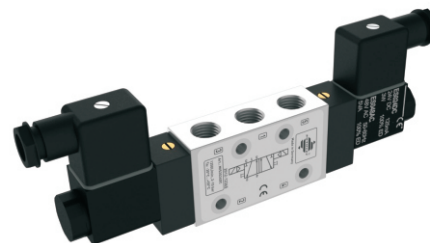
SIL
IEC 61508

Beschreibung Description

- Kolbenschieber-Impuls-Magnetventil In-line, indirekt gesteuert, 5/2- oder 5/3-wege, mit Magnetspule und Gerätestecker mit Ausgang M16 für Kabeldurchmesser 5-6mm
- Serienmäßig mit selbstsichernder Handnotbetätigung aus Messing
- Gehäuse Aluminium eloxiert, mit minimalen Außenabmessungen
- Kolben Edelstahl 1.4305, Dichtungen NBR, Schrauben Edelstahl 1.4301
- Medium: Gereinigte und geölte oder nicht-geölte Druckluft mit Qualitätsstufe 5 nach ISO 8573-1.
- Anwendung: Ansteuerung von doppeltwirkenden pneumatischen Schwenkantrieben

- Bistable piston spool solenoid valve In-line, indirectly operated, 5/2 or 5/3 way, with magnet coil and connector with exit M16 for cable diameter 5-6mm
- Standard self-locking brass manual override
- Body anodised aluminum, with minimal external dimensions
- Stainless steel piston AISI 303, NBR Sealings, Stainless steel screws AISI 304
- Media: Cleaned and lubricated or non-lubricated compressed air with a quality level 5 according to ISO 8573-1
- Application: Control of double acting pneumatic actuators

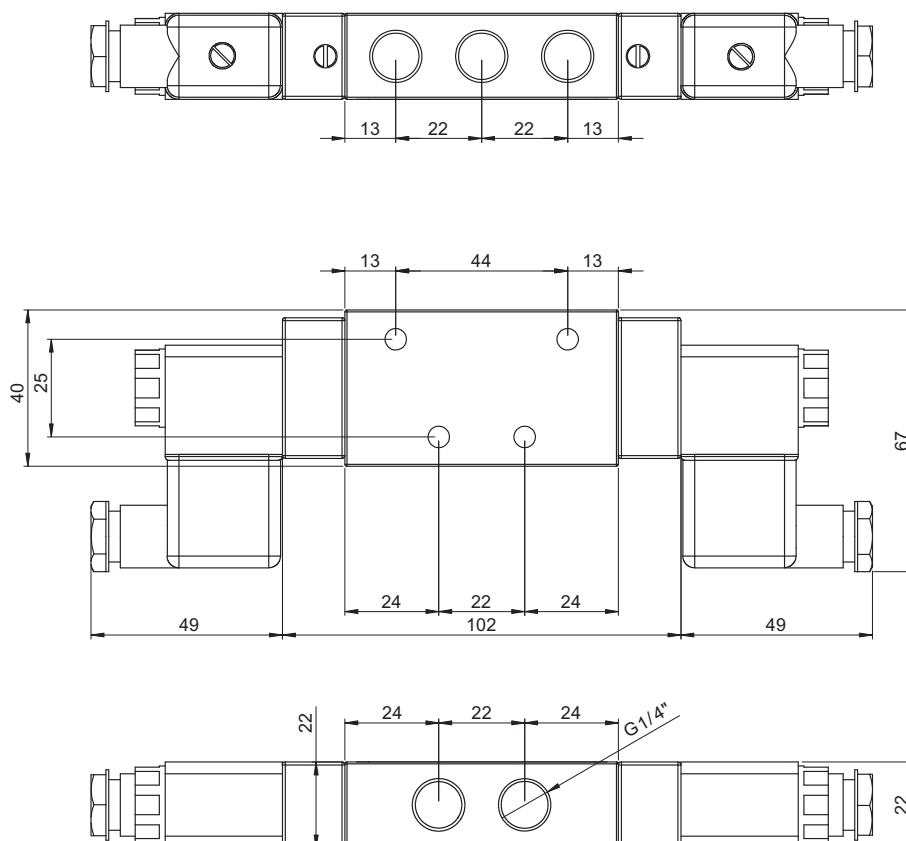
Model: MI



IP65
-20°C...+50°C

CE

Maßzeichnung Dimensions



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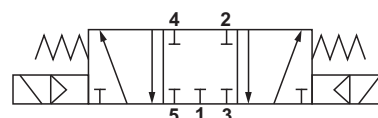
in-line



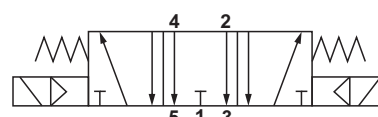
Anschluss Air entry	G 1/4"
Nennweite Dimension	7mm
Arbeitsdruck Air pressure	2-10 bar
Temperatur Temperature	-20°C ... +50°C
Schutzart Enclosure	IP65
Spannung Voltage	DC: 12V, 24V, 110V AC: 24V, 48V, 115V, 230V
Leistung Power consumption	DC: 3W / AC: 5VA
Nenndurchfluss Air flow	1250 l/min
Safety Integrity Level Safety Integrity Level	SIL 1-3 (IEC 61508:2010)

The diagram shows a four-bar linkage mechanism. It consists of four links: a fixed frame (link 1), two side links (links 2 and 3), and a central coupler link (link 4). The joints are numbered as follows: 1 is the revolute joint between the frame and the right side link; 2 is the revolute joint between the right side link and the coupler link; 3 is the revolute joint between the coupler link and the left side link; 4 is the revolute joint between the left side link and the frame; and 5 is the prismatic joint between the coupler link and the frame.

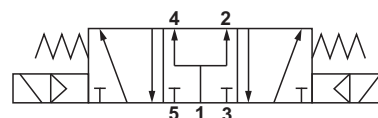
Mittelstellung geschlossen
Center position closed



Mittelstellung entlüftet
Center position deaerated



Mittelstellung belüftet
Center position aerated



in-line Standard

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The diagram shows the MI 52-53 terminal block with its internal wiring. The block is divided into two main sections: 52 (5/2-wege) and 53 (5/3-wege). The connections are as follows:

- Function:**
 - 52: 5/2-wege 5/2 way
 - 53: 5/3-wege 5/3 way
- Voltage:**
 - 012: 12V
 - 024: 24V
 - 048: 48V
 - 110: 110V
 - 115: 115V
 - 230: 230V
- Voltage type:**
 - DC: Gleichspannung Direct voltage
 - AC: Wechselspannung Alternating voltage
- Mittelstellung (5/3):**
 - MSG: geschlossen closed
 - MSE: entlüftet deaerated
 - MSB: belüftet aerated
- Zubehör:** Accessories