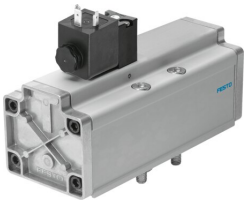
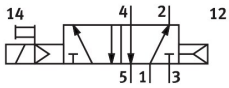
Air solenoid valve
MDH-5/2-3/4-D-4-24DC

Part number: 12457





Data sheet

Feature	Value
Valve function	5/2-way, monostable
Actuation type	Electrical
Width	76 mm
Normal nominal flow rate (normalized to DIN 1343)	6000 l/min
Pneumatic working port	Sub-base, size 4 as per ISO 5599-1 G3/4
Operating voltage	24V DC
Operating pressure	3 bar...16 bar
Structural design	Piston gate valve
Reset method	Pneumatic spring
Degree of protection	IP65
Nominal width	18 mm
Width dimension	82 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Non-detenting
ISO code	451
Type of control	Piloted
Pilot air supply port	Internal
Flow direction	Non-reversible
Lap	Positive overlap
Switching time off	160 ms
On switching time	120 ms
Duty cycle	100%
Max. positive test pulse with 0 signal	4300 µs
Max. negative test pulse on 1 signal	2100 µs
Coil characteristics	24 V DC: 6.8 W 48 V AC: 50/60 Hz, initial power 14.5 VA, holding power 9.9 VA
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-10 °C...60 °C
Noise level	85 dB(A)
Ambient temperature	-10 °C...50 °C
Product weight	2600 g
Electrical connection	As per DIN EN 175301-803
Type of mounting	On sub-base With through-hole and screw
Pilot exhaust air port 84	M5
Pneumatic connection 1	Sub-base, size 4 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 4 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 4 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 4 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 4 as per ISO 5599-1
Note on materials	RoHS compliant
Seals material	NBR
Housing material	Aluminum