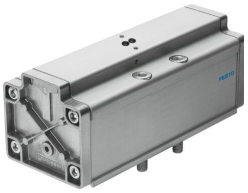
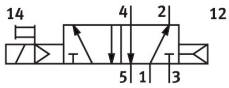
Air solenoid valve
MDH-5/2-3/4-D-4

Part number: 14544





General operating condition

Data sheet

Feature	Value
Valve function	5/2, monostable
Actuation type	Electrical
Width	76 mm
Standard nominal flow rate	6000 l/min
Pneumatic working port	Sub-base, size 4 as per ISO 5599-1 G3/4
Operating voltage	Via solenoid coil, to be ordered separately
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	With flow control option
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Non-detenting
ISO code	451
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991049
Lap	Overlap
Switching time off	160 ms
On switching time	120 ms
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)
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
Type of mounting	With through-hole and screw
Pilot exhaust air port 84	M5
Pneumatic connection 1	Sub-base, size 4 as per ISO 5599-1

Feature	Value
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