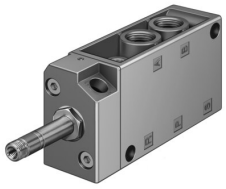
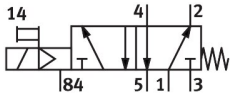
Solenoid valve
MFH-5-1/4
Part number: 6211





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Construction width	30.5 mm
Nominal flow rate standardised according to ISO 8778	1000 l/min
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min
pneumatic working port	G1/4
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	0.22 MPa...0.8 MPa 2.2 bar...8 bar
Design	Poppet seat
Type of reset	Mechanical spring
Approval	c UL us - Recognised (Oil)
Degree of protection	IP65
Nominal size	7 mm
Grid dimension	32 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting
Type of piloting	Piloted
Flow direction	Non-reversible
lap	Underlap
b value	0.19
C value	4.49 l/sbar
Switching time off	29 ms
Switching time on	9 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse with 1 signal	3700 µs
Characteristic coil data	See solenoid coil, to be ordered separately
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)

Feature	Value
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Storage temperature	-20 °C...60 °C
Media temperature	-10 °C...60 °C
Ambient temperature	-5 °C...40 °C
Product weight	290 g
Electrical connection	Via F coil, to be ordered separately
Type of mounting	Either: On manifold rail With through-hole
Pilot exhaust port 84	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium