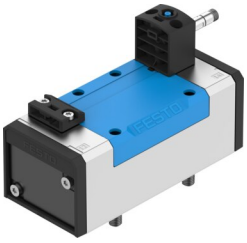
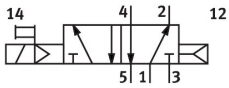
Solenoid valve
MFH-5/2-D-3-C

Part number: 151870





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Construction width	65 mm
Standard nominal flow rate (standardised to DIN 1343)	4500 l/min
pneumatic working port	Sub-base size 3 to ISO 5599-1 G1/2
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Approval	c UL us - Recognised (Oil)
Certificate issuing authority	UL MH19482
Degree of protection	IP65
Nominal size	14.5 mm
Grid dimension	71 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Conforms to standard	ISO 5599-1
Manual override	Detenting via accessory Non-detenting
ISO code	351
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	Non-reversible
lap	Overlap
Suitability for vacuum	No
Switching time off	66 ms
Switching time on	60 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse with 1 signal	3700 µs

Feature	Value
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)
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-10 °C...60 °C
Sound pressure level	85 dB(A)
Ambient temperature	-5 °C...40 °C
Product weight	960 g
Electrical connection	3-pin Type A, with VACF-A coil Type B industry (11 mm), with MSF coil Via solenoid coil, to be ordered separately
Type of mounting	On sub-base Via through-hole and screw
Pilot exhaust port 84	M5
Pneumatic connection, port 1	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 3 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 3 to ISO 5599-1
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium