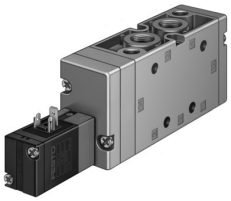
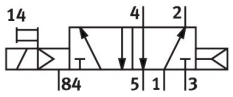
Solenoid valve
MVH-5-3/8-L-B

Part number: 14947





Data sheet

Feature	Value
Valve function	5/2-way, single solenoid
Type of actuation	Electrical
Construction width	40 mm
Standard nominal flow rate (standardised to DIN 1343)	2000 l/min
pneumatic working port	G3/8
Operating voltage	24 V DC
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Design	Piston gate valve
Type of reset	Pneumatic spring
Nominal size	12 mm
Grid dimension	41 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Non-detenting
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	Non-reversible
lap	Overlap
Max. switching frequency	3 Hz
Switching time off	60 ms
Switching time on	22 ms
Max. positive test pulse with 0 signal	2200 µs
Max. negative test pulse with 1 signal	3700 µs
Characteristic coil data	24 V DC: 2.5 W
Permissible voltage fluctuations	+/-10%
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)
Corrosion resistance class CRC	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L

Feature	Value
Storage temperature	-40 °C...60 °C
Media temperature	-5 °C...50 °C
Ambient temperature	-5 °C...50 °C
Product weight	750 g
Type of mounting	Either: On PR rail With through-hole
Pilot exhaust port 84	M5
Pneumatic connection, port 1	G3/8
Pneumatic connection, port 2	G3/8
Pneumatic connection, port 3	G3/8
Pneumatic connection, port 4	G3/8
Pneumatic connection, port 5	G3/8
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Die-cast aluminium