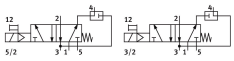
Solenoid valve
NVF3-MOH-5/2-K-1/4-EX

Part number: 535987





Data sheet

Feature	Value
Valve function	5/2- or 3/2-way monostable
Type of actuation	Electric
Construction width	53 mm
Standard nominal flow rate (standardised to DIN 1343)	900 l/min
pneumatic working port	Sub-base
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Design	Poppet seat
Type of reset	Mechanical spring
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category gas	II 2G
ATEX category dust	II 2D
Explosion ignition protection type for gas	Ex h IIC T6 Gb
Explosion ignition protection type for dust	Ex h IIIC T70°C Db
Explosion ambient temperature	-5 °C <= Ta <= +40 °C
Nominal size	7 mm
Exhaust-air function	With flow control option
Sealing principle	Soft
Mounting position	optional
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	Detenting Non-detenting
Type of piloting	Pilot actuated
Flow direction	Non-reversible
lap	Underlap
b value	0.33
C value	4.2 l/sbar
Switching time off	100 ms

Feature	Value
Switching time on	50 ms
Explosion protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
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
Media temperature	-5 °C...40 °C
Ambient temperature	-5 °C...40 °C
Product weight	280 g
Type of mounting	On manifold rail
Breather connection	Internal
Pilot exhaust port 84	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	NAMUR port pattern
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	NAMUR port pattern
Pneumatic connection, port 5	G1/4
Material seals	NBR
Material housing	Die-cast aluminium