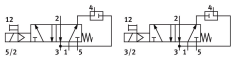
Air solenoid valve
NVF3-MOH-5/2-K-1/4-EX

Part number: 535987





Data sheet

Feature	Value
Valve function	5/2- or 3/2-way, monostable
Actuation type	Electrical
Width	53 mm
Normal nominal flow rate (normalized to DIN 1343)	900 l/min
Pneumatic working port	Sub-base
Operating voltage	Via solenoid coil, to be ordered separately
Operating pressure	0.2 MPa...1 MPa 2 bar...10 bar
Structural design	Plate seat
Reset method	Mechanical spring
CE marking (see declaration of conformity)	as per EU explosion protection directive (ATEX)
Explosion protection certification outside the EU	EPL Db (GB) EPL Gb (GB)
UKCA marking (see declaration of conformity)	acc. to UK EX instructions
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex h IIC T6 Gb
Type of (ignition) protection for dust	Ex h IIIC T70°C Db
Explosive ambient temperature	-5°C <= Ta <= +40°C
Nominal width	7 mm
Exhaust air function	Adjustable
Sealing principle	Soft
Mounting position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	Detenting Non-detenting
Type of control	Piloted
Flow direction	Non-reversible
Lap	Negative overlap
b-value	0.33
C value	4.2 l/sbar
Switching time off	100 ms

Feature	Value
On switching time	50 ms
Explosion prevention and protection	Zone 1 (ATEX) Zone 1 (UKEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (UKEX) Zone 22 (ATEX)
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)
Corrosion resistance class (CRC)	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Temperature of medium	-5 °C...40 °C
Ambient temperature	-5 °C...40 °C
Product weight	280 g
Type of mounting	On terminal strip
Venting hole connection	Internal
Pilot exhaust air port 84	M5
Pneumatic connection 1	G1/4
Pneumatic connection 2	NAMUR connection pattern
Pneumatic connection 3	G1/4
Pneumatic connection 4	NAMUR connection pattern
Pneumatic connection 5	G1/4
Seals material	NBR
Housing material	Die-cast aluminum