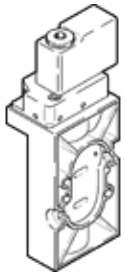
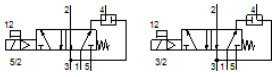
solenoid valve
NVF3-MOH-5/2-K-1/4-IA-EX

Part number: 535988

FESTO

With NAMUR port pattern to VDE/VDI 3845, with solenoid coil, without socket.





Data sheet

Feature	Value
Valve function	5/2-way or 3/2-way, single solenoid
Type of actuation	electrical
Width	53 mm
Standard nominal flow rate	900 l/min
Operating pressure	2 ... 10 bar
Design structure	Poppet seat
Type of reset	mechanical spring
Nominal size	7 mm
Exhaust-air function	throttleable
Sealing principle	soft
Assembly position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	detenting Pushing
Type of piloting	Piloted
Flow direction	non reversible
Freedom from overlap	No
b value	0.33
C value	4.2 l/sbar
Switching time off	100 ms
Switching time on	50 ms
Max. input power	1,46 W
Max. input voltage	48 V
Max. input current	0.487 A
Characteristic coil data	24 V DC: 0.8 W
effective inductivity	negligibly small
effective capacity	negligibly small
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T6
ATEX category Dust	II 2D
Explosion ignition protection type Dust	c 40°C
Explosion protection certification outside the EU	EPL Db (RU) EPL Dc (RU) EPL Gb (RU) EPL Gc (RU)
Explosion-proof ambient temperature	-5°C <= Ta <= +40°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	1 - Low corrosion stress
Medium temperature	-5 ... 40 °C
Ambient temperature	-5 ... 40 °C

Feature	Value
Product weight	350 g
Mounting type	on manifold rail
Scavenging orifice 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	Aluminium die cast