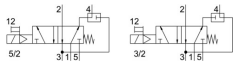
Air solenoid valve
VSNC-FC-M52-MD-N14-FN-1A1-EX4-A

Part number: 577286



Data sheet

Feature	Value
Valve function	5/2 or 3/2 switchable
Actuation type	Electrical
Width	32 mm
Standard nominal flow rate	1250 l/min
Pneumatic working port	NAMUR connection diagram
Operating voltage	24V DC
Operating pressure	2.5 bar ... 8 bar
Design	Piston gate valve
Reset method	Mechanical spring
Explosion protection certification outside the EU	EPL Db (IEC-EX) EPL Ga (IEC-EX)
Certificate issuing authority	DNVGL-TAA000011J
ATEX category gas	II 2G
ATEX category for dust	II 2D
Type of ignition protection for gas	Ex ia IIC T6 Ga
Type of (ignition) protection for dust	Ex t IIIC T80°C Db
Explosive ambient temperature	-40°C <= Ta <= +50°C
Degree of protection	IP65 With plug socket as per IEC 60529
Type code	VSNC
Exhaust air function	With flow control option
Sealing principle	Soft
Mounting position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	Detenting Non-detenting
Type of control	Pilot-controlled
Pilot air supply port	Internal
Flow direction	Non-reversible
Symbol	00991831
Lap	Overlap
Signal status display	With accessories
b-value	0.4
C value	5.2 l/sbar
Standard nominal flow rate, exhaust air return 4->3	110 l/min
Switching time off	92 ms

Feature	Value
On switching time	35 ms
Duty cycle	100%
Max. input voltage Vi	28 V
Max. input current Ii	0.115 A
Permissible voltage fluctuations	+/- 10 %
Explosion prevention and protection	Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Zone 0 (IEC-EX) Zone 21 (IEC-EX)
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)	2 - Moderate corrosion stress
Temperature of medium	-20 °C ... 60 °C
Ambient temperature	-20 °C ... 60 °C
Product weight	530 g
Electrical connection	Form A as per EN 175301-803
Type of mounting	With through-hole
Venting hole connection	Not ducted
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	NAMUR connection diagram
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	NAMUR connection diagram
Pneumatic connection 5	1/4 NPT
Note on materials	RoHS-compliant
Seals material	NBR
Housing material	Wrought aluminum alloy
Material of screws	High-alloy stainless steel