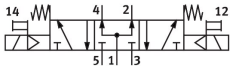
Solenoid valve
VSNC-F-P53U-MD-N14-FN

Part number: 577275





Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Electrical
Construction width	32 mm
Standard nominal flow rate (standardised to DIN 1343)	950 l/min
pneumatic working port	Connection pattern to NAMUR
Operating voltage	Via solenoid coil, must be ordered separately
Operating pressure	0.3 MPa...0.8 MPa 3 bar...8 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Certificate issuing authority	DNVGL-TAA000011J
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Conforms to standard	VDI/VDE 3845 (NAMUR)
Manual override	Detenting Non-detenting
Type of piloting	Piloted
Pilot air supply	Internal
Flow direction	Non-reversible
lap	Overlap
Signal status display	With accessories
b value	0.5
C value	2.1 l/sbar
Switching time off	103 ms
Switching time on	23 ms
Switching time reversal	55 ms
Duty cycle	100%
Characteristic coil data	See solenoid coil, to be ordered separately
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)

Feature	Value
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Media temperature	-20 °C...60 °C
Ambient temperature	-20 °C...60 °C
Product weight	450 g
Type of mounting	With through-hole
Breather connection	Not ducted
Pneumatic connection, port 1	1/4 NPT
Pneumatic connection, port 2	Connection pattern to NAMUR
Pneumatic connection, port 3	1/4 NPT
Pneumatic connection, port 4	Connection pattern to NAMUR
Pneumatic connection, port 5	1/4 NPT
Note on materials	RoHS compliant
Material seals	NBR
Material housing	Wrought aluminium alloy
Material screws	Galvanised steel