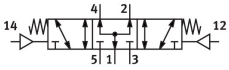
Pneumatic valve
VUWG-L18-P53U-G14

Part number: 574274





Data sheet

Feature	Value
Valve function	5/3-way, pressurised
Type of actuation	Pneumatic
Valve size	18 mm
Standard nominal flow rate (standardised to DIN 1343)	1000 l/min
pneumatic working port	G1/4
Operating pressure	-0.9 bar...10 bar
Design	Piston gate valve
Type of reset	Mechanical spring
Grid dimension	19 mm
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	None
Type of piloting	Direct
Flow direction	Reversible
lap	Indeterminate overlap
Pilot pressure	3 bar...10 bar
Suitability for vacuum	Yes
Switching time off	69 ms
Switching time on	17 ms
Switching time reversal	34 ms
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	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Cleanroom suitability, measured according to ISO 14644-14	Class 5 according to ISO 14644-1
Media temperature	-5 °C...50 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C...60 °C
Product weight	152 g
Type of mounting	Either:

Feature	Value
	On PR rail With through-hole
Pilot air port 12	M5
Pilot air port 14	M5
Pneumatic connection, port 1	G1/4
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Pneumatic connection, port 4	G1/4
Pneumatic connection, port 5	G1/4
Note on materials	RoHS compliant
Material seals	HNBR NBR
Material housing	Aluminium anodised