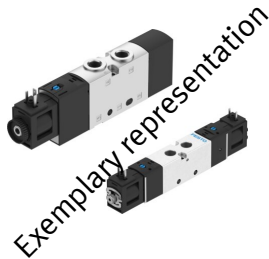


Solenoid valve VUVS-20

Part number: 576516

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Valve function	2x3/2 closed monostable 2x3/2 open monostable 2x3/2-way, open/closed, monostable 3/2-way, single solenoid, closed 3/2-way, single solenoid, open 5/2-way, double solenoid 5/2-way, single solenoid 5/3-way, pressurised 5/3 exhausted 5/3-way, closed
Type of actuation	Electrical
Valve size	21 mm
Standard nominal flow rate (standardised to DIN 1343)	500 l/min ... 700 l/min
pneumatic working port	G1/8 1/8 NPT QS-4 QS-6 QS-8 QS-5/32 QS-1/4 QS-5/16
Operating voltage	110V AC 120V AC 12 V DC 230V AC 240V AC 24V AC 24 V DC
Operating pressure	-0.09 MPa ... 1 MPa
Operating pressure	-0.9 bar ... 10 bar
Design	Piston gate valve Poppet seat
Type of reset	Mechanical spring Pneumatic spring
Approval	c UL us - Recognised (Oil)
CE mark (see declaration of conformity)	To EU Explosion Protection Directive (ATEX)
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gc (GB)
UKCA marking (see declaration of conformity)	To UK EX instructions
ATEX category gas	II 3G
ATEX category dust	II 3D
Explosion ignition protection type for gas	Ex ec IIC T4 Gc X

Feature	Value
Explosion ignition protection type for dust	Ex tc IIIC T115°C Dc X
Explosion ambient temperature	-10°C ≤ Ta ≤ +60°C
Degree of protection	IP65 IP67 With plug socket To IEC 60529
Exhaust-air function	Can be throttled
Sealing principle	Soft
Mounting position	Any
Manual override	Detenting Non-detenting Concealed
Type of piloting	Piloted
Pilot air supply	External Internal
Flow direction	Reversible with restrictions
Explosion protection	Zone 2 (ATEX) Zone 2 (UKEX) Zone 22 (ATEX) Zone 22 (UKEX)
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 6 according to ISO 14644-1
Media temperature	-10 °C ... 60 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-10 °C ... 60 °C
Type of mounting	On manifold rail With through-hole
Breather connection	Not ducted
Note on materials	RoHS compliant
Material housing	Die-cast aluminium painted
Material piston slide	Wrought aluminium alloy High-alloy stainless steel
Material screws	Galvanised steel