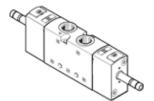
solenoid valve VUVS-L20-P53C-MZD-G18-F7 Part number: 575685





Data sheet

60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole	Feature	Value
Valve size 21 mm Standard nominal flow rate 700 L/min Operating pressure 0.9 10 bar Design structure Piston slide Type of reset mechanical spring Authorisation c U. U.s Recognized (OL) Nominal size 5 mm Exhaust-air function Sealing principle Assembly position Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Voverlap Pilot pressure 2.5 10 bar Davilue 0.91 (share) Value 0.95 Switching time off 2.9 (rshare) Switching time of 32 ms Switching time of 13 ms Switching time reversal Max. positive test pulse with logic 0 1,200 us Max. negative test pulse with logic 1 2,700 us Max. negative test pulse with logic 1 2,700 us Max. positive test pulse with logic 1 2,700 us Shock resistance Shock resistance Shock resistance In accordance with FN 942017-5 and Ef 60068-2-7 Corrosion resistance classification CRC 1-monifold rail With through hole Mounting type Product weight Mounting type On manifold rail With through hole With through hole With through hole With through hole	Valve function	5/3 closed
Standard nominal flow rate 700 l/min	Type of actuation	electrical
Design structure	Valve size	21 mm
Design structure Piston slide Type of reset mechanical spring Authorisation c UL us - Recognized (OL)	Standard nominal flow rate	700 l/min
Type of reset Authorisation cultus - Recognized (OL) Nominal size Exhaust-air function throttleable Sealing principle Assembly position Manual override Type of piloting Pilot air supply Pilot air supply Pilot pressure Doverlap Pilot medium Doverlap	Operating pressure	-0.9 10 bar
Authorisation C UL us - Recognized (OL) Nominal size 5 mm Exhaust-air function Sealing principle Soft Assembly position Manual override detenting Pushing Type of piloting Piloted Pilot air supply Flow direction Overlap Piot pressure D value C value 2.5 10 bar b value 0.35 C value 3.5 10 bar Switching time off 42 ms Switching time off 42 ms Switching time reversal Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 10 60 °C Product weight Ambient temperature 10 60 °C Product weight Ambient temperature on manifold rail with through hole	Design structure	Piston slide
Nominal size S.mm Exhaust-air function throttleable Sealing principle soft Any	Type of reset	mechanical spring
Exhaust-air function Sealing principle Soft Assembly position Manual override Pushing Pushing Plioted Piloted Pilot air supply Roterial Positive overlap Pliot persure Positive overlap Pliot persure Positive overlap Pliot persure Double Doub	Authorisation	c UL us - Recognized (OL)
Sealing principle Soft Any	Nominal size	5 mm
Assembly position Manual override Metenting Pushing Pushing Plioted Piloted Pilot air supply Ploted Positive overlap Positive overlap Pilot pressure Positive in eversible Positive overlap Pilot pressure Positive image off Positive overlap Pilot pressure Positive overlap Posi	Exhaust-air function	throttleable
Assembly position Manual override Metenting Pushing Pushing Plioted Piloted Pilot air supply Ploted Positive overlap Positive overlap Pilot pressure Positive in eversible Positive overlap Pilot pressure Positive image off Positive overlap Pilot pressure Positive overlap Posi	Sealing principle	soft
Manual override detenting Pushing		Any
Pushing Type of piloting Pilot air supply Pilot air supply Pilot air supply Pilot direction Powerlap Positive overlap Positive overlap Pilot pressure 2.5 10 bar b value 0.35 Cvalue 2.9 I/sbar Switching time off 42 ms Switching time on 13 ms Switching time reversal Max. positive test pulse with logic 0 1,900 µs Max. negative test pulse with logic 1 2,700 µs Operating medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Uibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Corrosion resistance classification CRC Medium temperature 1-10 60 °C Product weight Mounting type With trough hole Water and Positive overlap Positive overlap Positive Positive overlap		•
Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Pilot pressure 2.5 10 bar b value 0.35 C value 2.9 l/sbar Switching time off 42 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 1,900 μs Max. negative test pulse with logic 1 2,700 μs 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) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EI 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EI 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole </td <td></td> <td>_</td>		_
Pilot air supply Flow direction Overlap Positive overlap	Type of piloting	_
Flow direction reversible Overlap Positive overlap Piot pressure 2.5 10 bar b value 0.35 C value 2.9 l/sbar Switching time off 42 ms Switching time on 13 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 1,900 µs Max. negative test pulse with logic 1 2,700 µs 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) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EI 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole		external
Overlap Positive overlap Pilot pressure 2.5 10 bar b value 0.35 C value 2.9 l/sbar Switching time off 42 ms Switching time on 13 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 1,900 μs Max. negative test pulse with logic 1 2,700 μs 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) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 0 m manifold rail Mounting type on manifold rail with through hole		reversible
Pilot pressure 2.5 10 bar		
Display	Pilot pressure	'
C value 2.9 l/sbar Switching time off 42 ms Switching time on 13 ms Switching time reversal 24 ms Max. positive test pulse with logic 0 1,900 μs Max. negative test pulse with logic 1 2,700 μs 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) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole	·	
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Max. negative test pulse with logic 1 Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7 Corrosion resistance classification CRC Addium temperature 10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight On manifold rail with through hole		<u> </u>
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Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole		· ·
Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole		Lubricated operation possible (subsequently required for further
60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole	Vibration resistance	Transport application test at severity level 2 in accordance with FN
Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole	Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole	Medium temperature	-10 60 °C
Ambient temperature -10 60 °C Product weight 229 g Mounting type on manifold rail with through hole	Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Mounting type on manifold rail with through hole	Ambient temperature	
Mounting type on manifold rail with through hole	Product weight	229 g
with through hole	-	<u> </u>
		with through hole
Optional		Optional
Scavenging orifice connection Non-ducted	Scavenging orifice connection	,
Pilot exhaust port 82 M5		
Pilot exhaust port 84 M5		
Pilot air port 12 M5		
Pilot air port 14 M5		



Feature	Value
Pneumatic connection, port 1	G1/8
Pneumatic connection, port 2	G1/8
Pneumatic connection, port 3	G1/8
Pneumatic connection, port 4	G1/8
Pneumatic connection, port 5	G1/8
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast
	Painted
Material Piston slide	High alloy steel, non-corrosive
Material screws	Galvanised steel