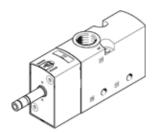
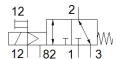
## solenoid valve VUVS-L25-M32C-MZD-G14-F8 Part number: 575474







## **Data sheet**

Valve function         3/2 closed, monostable           Type of actuation         electrical           Valve size         26.5 mm           Standard nominal flow rate         1,000 l/min           Operating pressure         4.9, 10 bar           Design structure         Piston slide           Type of reset         mechanical spring           Authorisation         c.U. u.s. Recognized (OL)           Maritime classification         see certificate           Certificate issuing department         DNVGL-TAACO00111           Nominal size         6.3 mm           Eshaust air function         throtteable           Sealing principle         soft           Assembly position         Any           Manual override         detenting           Pushing         Pushing           Type of piloting         Piloted           Flow direction         reversible           Overlap         Positive overlap           Pilot air supply         external           Flow direction         reversible           Overlap         Positive overlap           Pilot pressure         2.5 10 bar           b value         0.3           Cyalue         4.8 l/sbar	Feature	Value
Valve size Standard nominal flow rate Operating pressure 0,9,10 bar Design structure Piston slide International department Nominal size Certificate issuing department Nominal size Shaust air function Sealing principle Assembly position Assembly position Annual override detenting Pilot air supply external Flow direction reversible Voverlap Pilot air supply Positive overlap Pilot pressure D value 0,3 Switching time off Au, 81/Sbar Switching time off Max, positive test pulse with logic 0 Max, positive test pulse with logic 1 Max, positive test pulse with logic 1 Solocaria for further Operating medium Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock resistance Shock resistance Floudir temperature Floudir temper	Valve function	3/2 closed, monostable
Standard nominal flow rate Operating pressure Operating pressure Operating pressure Piston slide Operating pressure Piston slide Operating pressure Operating principle Operatin	Type of actuation	electrical
Operating pressure	Valve size	26.5 mm
Design structure Type of reset Authorisation Design structure Type of reset Design structure Type of piloting Pilot aris supply Flow direction Pilot pressure Design supply Flow direction Design supply Flow design supply Flo	Standard nominal flow rate	1,000 l/min
Design structure Type of reset mechanical spring Type of piloting Pilotor Pilot grespe Design were designed Pilotor Piloting Pilo	Operating pressure	-0.9 10 bar
Type of piloting Pilot air supply Pilot air supply Pilot pressure Diverlap Pilot pressure Diverlap Pilot pressure Diverlap Pilot pressure Diverlap Diverlap Pilot pressure Diverlap Diverlap Diverlap Diverlap Diverlap Diverlap Pilot or supply Diverlap Pilot pressure Diverlap Diverlap Diverlap Diverlap Pilot pressure Diverlap Diverlap Pilot pressure Diverlap Diverlap Diverlap Diverlap Pilot pressure Diverlap		Piston slide
Maritime classification  See certificate  Certificate issuing department  DNVGL-TAA000011)  Nominal size  Exhaust-air function  throttleable  Sealing principle  Any  Manual override  Pushing  Pushing  Pilot air supply  external  flow direction  Overlap  Positive overlap  Pilot prissure  5.5		mechanical spring
Maritime classification   See certificate   DNVGL-TAA000011	* *	c UL us - Recognized (OL)
Nominal size   6.3 mm   Exhaust-air function   throttleable   Sealing principle   Soft   Assembly position   Any	Maritime classification	
Exhaust-air function throttleable soft sassembly position Any Manual override detenting Pushing Piloted Piloted Piloted Piloted Piloted Positive overlap Positive overlap Pilot pressure 2.5 10 bar bvalue 0.3 C value 4.8 l/sbar Switching time off 40 ms Annual pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Labricated operation possible (subsequently required for further operation) Floot resistance Shock resistance Shock resistance Cassification CRC 2 · Moderate corrosion stress Medium temperature 10 · 60 °C Product weight Moderate Carlos on manifold rail with through hole	Certificate issuing department	DNVGL-TAA000011J
Sealing principle   Soft   Any	Nominal size	6.3 mm
Assembly position  Any Manual override  detenting Pushing Type of piloting Piloted Pilot air supply Piloted Plot air supply Positive overlap Positive overlap Pilot pressure Positive overlap Positive Positive overlap Positive overlap Positive Positive overlap P	Exhaust-air function	throttleable
Assembly position  Any Manual override  detenting Pushing Type of piloting Piloted Pilot air supply Piloted Plot air supply Positive overlap Positive overlap Pilot pressure Positive overlap Positive Positive overlap Positive overlap Positive Positive overlap P	Sealing principle	soft
Manual override       detenting Pushing         Type of piloting       Piloted         Pilot air supply       external         Flow direction       reversible         Overlap       Positive overlap         Pilot pressure       2.5 10 bar         b value       0.3         C value       4.8 l/sbar         Switching time off       40 ms         Switching time on       11 ms         Max. positive test pulse with logic 0       2,000 μs         Max. negative test pulse with logic 1       3,600 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       244 g         Mounting type <td></td> <td>Any</td>		Any
Pushing Type of piloting Pilot air supply external Flow direction Overlap Positive overlap Pilot air supply Pilot air supply Positive overlap Positive overlap Positive overlap Pilot pressure 2.5 10 bar b value 0.3 C value 4.8 l/sbar Switching time off 40 ms Switching time on 11 ms Max. positive test pulse with logic 0 2,000 µs Max. negative test pulse with logic 1 3,600 µs Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for further operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 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 Mounting type on manifold rail with through hole		detenting
Flore of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Pilot pressure 2.5 10 bar b value 0.3 C value 4.8 l/sbar Switching time off 40 ms Switching time on 11 ms Max. positive test pulse with logic 0 2,000 µs Max. negative test pulse with logic 1 3,600 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 Product weight On manifold rail with through hole		
Pilot air supply       external         Flow direction       reversible         Overlap       Positive overlap         Pilot pressure       2.5 10 bar         b value       0.3         C value       4.8 l/sbar         Switching time off       40 ms         Switching time on       11 ms         Max. positive test pulse with logic 0       2,000 μs         Max. negative test pulse with logic 1       3,600 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 on manifold rail         Mounting type       on manifold rail	Type of piloting	
Flow direction reversible  Overlap Positive overlap  Piot pressure 2.5 10 bar  b value 0.3  C value 4.8 I/sbar  Switching time off 40 ms  Switching time on 11 ms  Max. positive test pulse with logic 0 2,000 µs  Max. negative test pulse with logic 1 3,600 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 60068-2-7  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 Mounting type on manifold rail with through hole		external
Pilot pressure   2.5 10 bar		reversible
Pilot pressure   2.5 10 bar	Overlap	Positive overlap
b value 0.3  C value 4.8 l/sbar  Switching time off 40 ms  Switching time on 11 ms  Max. positive test pulse with logic 0 2,000 µs  Max. negative test pulse with logic 1 3,600 µs  Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium 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  Product weight 244 g  Mounting type on manifold rail with through hole	·	'
C value 4.8 l/sbar  Switching time off 40 ms  Switching time on 11 ms  Max. positive test pulse with logic 0 2,000 µs  Max. negative test pulse with logic 1 3,600 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 244 g  Mounting type on manifold rail with through hole	·	
Switching time off Switching time on  11 ms  Max. positive test pulse with logic 0  2,000 µs  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  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 sest with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7  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  244 g  Mounting type  on manifold rail with through hole	C value	
Switching time on 11 ms  Max. positive test pulse with logic 0 2,000 µs  Max. negative test pulse with logic 1 3,600 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 244 g  Mounting type on manifold rail with through hole	Switching time off	
Max. positive test pulse with logic 02,000 μsMax. negative test pulse with logic 13,600 μsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 - Moderate corrosion stressMedium temperature-10 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight244 gMounting typeon manifold rail with through hole		11 ms
Max. negative test pulse with logic 13,600 μsOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 2 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Corrosion resistance classification CRC2 · Moderate corrosion stressMedium temperature-10 60 °CPilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight244 gMounting typeon manifold rail with through hole		
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  Mounting type  on manifold rail with through hole		
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  Mounting type  on manifold rail with through hole		
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  244 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  244 g  Mounting type  on manifold rail with through hole	Vibration resistance	
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       244 g         Mounting type       on manifold rail with through hole	Shock resistance	
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       244 g         Mounting type       on manifold rail with through hole	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Pilot medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Ambient temperature  -10 60 °C  Product weight  244 g  Mounting type  on manifold rail with through hole	Medium temperature	-10 60 °C
Ambient temperature -10 60 °C  Product weight 244 g  Mounting type on manifold rail with through hole	·	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	244 g
with through hole		
	- 71	
Scavenging orifice connection Non-ducted	Scavenging orifice connection	
Pilot exhaust port 82 M5		
Pilot air port 12 M5		
Pneumatic connection, port 1 G1/4		



Feature	Value
Pneumatic connection, port 2	G1/4
Pneumatic connection, port 3	G1/4
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast
	Painted
Material Piston slide	Wrought Aluminium alloy
Material screws	Galvanised steel