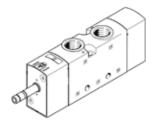
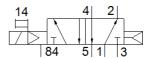
## solenoid valve VUVS-L30-M52-AD-N38-F8 Part number: 575645







## **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 450 g  Mounting type on manifold rail	Feature	Value
Valve size  Standard nominal flow rate Operating pressure MPa Operating pressure Operating pressure  2.51 MPa Operating pressure Piston slide Type of reset Arr spring Authorisation Certificate issuing department Nominal size Exhaust-air function Sealing principle Assembly position Any Manual override detenting Pushing Type of piloting Pilot air supply Internal Flow direction Overlap Doverlap	Valve function	5/2 monostable
Standard nominal flow rate   2,300 l/min	Type of actuation	electrical
Operating pressure MPa         0.25 1 MPa           Operating pressure         2.5 10 bar           Design structure         Piston slide           Type of reset         Air spring           Authorisation         c UL us - Recognized (OL)           Maritime classification         see certificate           Certificate issuing department         DNVGL-TAA000011J           Nominal size         9.4 mm           Exhaust-air function         throttleable           Sealing principle         soft           Assembly position         Any           Manual override         detenting           Pushing         Pushing           Pilot air supply         Internal           flow direction         non reversible           Overlap         Positive overlap           b value         0.4           C-Value         9.9 l/sbar           Switching time off         49 ms           Switching time of         24 ms           Max. negative 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 possibl	Valve size	31 mm
Design gressure   2.5 10 bar	Standard nominal flow rate	2,300 l/min
Design structure Type of reset Air spring Cut us - Recognized (OL) Maritime classification cut us - Recognized (OL) Maritime classification see certificate DNVGL-TAA000011 Nominal size 9,4 mm Exhaust-air function throttleable Sealing principle Assembly position Any Manual override detenting Pushing Type of piloting Pilot air supply Internal Flow direction non reversible Overlap Dvalue Cvalue 9,9,1 ysbar Switching time off Switching time off Switching time off Switching time of Max. negative test pulse with logic 0 Agx. negative test pulse with logic 0 Agx. 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 cut endows and Exhaustive Side of Compressed air in accordance with FN 942017-5 and El 60068-2-27 Corrosion resistance Shock resistance Transport application test at severity level 2 in accordance with FN 942017-5 and El 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 1-10 60 °C Priout weight Abo g Mounting type on manifold rail	Operating pressure MPa	0.25 1 MPa
Type of reset Air spring Authorisation c Us - Recognized (OL) Maritime classification see certificate Certificate issuing department DNVGL-TAA000011J Nominal size 9,4 mm Exhaust-air function Sealing principle Soft Assembly position Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply Internal Flow direction Overlap Positive overlap Dvalue Cvalue 9,9 1/Sbar Switching time off Switching time off Max. negative test pulse with logic 1 Operating medium Note on operating and pilot medium Urbaration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and El 60068-2-27 Corrosion resistance Lassification CRC Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and El 60068-2-27 Corrosion resistance Compressed air in accordance with FN 942017-5 and El 60068-2-27 Corrosion resistance Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 1-10 60 °C Prilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 1-10 60 °C Prilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 1-10 60 °C Prilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ambient temperature 1-10 60 °C Prilot medium On manifold rail	Operating pressure	2.5 10 bar
Authorisation cutting designation see certificate see certificate coefficate coefficate susing department DNVGL-TA4000011 DNVGL-TA4000011 Nominal size 9.4 mm Exhaust-air function throttleable sealing principle soft Any detenting Pushing Pushing Pushing Pushing Pushing Pushing Pushing Pushing Plotted Internal Plotted Internal Plotted Internal Plotted Internal Positive overlap Positive overlap Positive overlap Positive overlap Positive overlap Pushing Switching time of 49 ms Switching time of 49 ms Switching time of 49 ms Switching time on 24 ms Max. positive test pulse with logic 1 3,600 µs Max. negative test pulse with logic 1 3,600 µs Departing medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Pushing Plotted Plott	Design structure	Piston slide
Maritime classification  Certificate issuing department  DNVGL-TAA000011]  Nominal size  Exhaust-air function  throttleable Sealing principle Any  Manual override  Type of piloting Pilot air supply Pilot air supply Plot air supply Positive overlap Positive overlap Dvalue  Value  Va	Type of reset	Air spring
Maritime classification  Certificate issuing department  DNVGL-TAA000011]  Nominal size  Exhaust-air function  throttleable Sealing principle Any  Manual override  Type of piloting Pilot air supply Pilot air supply Plot air supply Positive overlap Positive overlap Dvalue  Value  Va	Authorisation	c UL us - Recognized (OL)
Nominal size	Maritime classification	
Nominal size   9.4 mm   Exhaust-air function   throttleable   Sealing principle   Soft	Certificate issuing department	DNVGL-TAA000011J
Sealing principle  Assembly position  Any  Manual override  Any  Metenting Pushing  Type of piloting  Piloted  Piloted  Pilot air supply  Internal  Flow direction  Overlap  b value  C value  Switching time off  Switching time on  Max. positive test pulse with logic 0  Max. negative test pulse with logic 1  Operating medium  Note on operating and pilot medium  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-5 and El 60068-2-27  Corrosion resistance classification CRC  Any  detenting  detenting  detenting  Pushing  Pushing  Ploted  Internal  Internal  Internal  Internal  Positive overlap  b value  0.4  49 ms  2,000 µs  3,600 µs  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  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 El 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		9.4 mm
Assembly position  Manual override  Manual override  Description  Type of piloting  Piloted  Piloted  Piloted  Piloted  Piloted  Piloted  Positive overlap  Dovalue  C value  Switching time off  Switching time off  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  Transport application test at severity level 2 in accordance with FN 942017-5 and El 60068-2-27  Corrosion resistance classification CRC  Medium temperature  Positive versible  Anbient temperature  Anbient temperature  Positive overlap  Positive overlap  Positive overlap  Positive overlap  Any  Any  detenting  Pushing  Plioted  Internal	Exhaust-air function	throttleable
Assembly position  Manual override  Manual override  Description  Type of piloting  Piloted  Piloted  Piloted  Piloted  Piloted  Piloted  Positive overlap  Dovalue  C value  Switching time off  Switching time off  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  Transport application test at severity level 2 in accordance with FN 942017-5 and El 60068-2-27  Corrosion resistance classification CRC  Medium temperature  Positive versible  Anbient temperature  Anbient temperature  Positive overlap  Positive overlap  Positive overlap  Positive overlap  Any  Any  detenting  Pushing  Plioted  Internal	Sealing principle	soft
Manual override       detenting Pushing         Type of piloting       Piloted         Pilot air supply       Internal         Flow direction       non reversible         Overlap       Positive overlap         b value       0.4         C value       9.9 l/sbar         Switching time off       49 ms         Switching time on       24 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 El 60068-2-27         Corrosion resistance classification CRC       2 - Moderate corrosion stress         Medium temperature       -10 60 °C         Piot medium       Compressed air in accordance with ISO8573-1:2010 [7:4:4]         Ambient temperature       -10 60 °C         Product weight       450 g         Mounting type		Any
Pushing  Type of piloting  Piloted  Piloted  Piloted  Piloted  Piloted  Piloted  Piloted  Piloted  Positive overlap  Positive overlap  Positive overlap  Positive overlap  b value  C value  9.9 l/sbar  Switching time off  49 ms  Switching time on  Aax. negative test pulse with logic 0  Agax. 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 942017-5 and El 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature  -10 60 °C  Product weight  Mounting type  on manifold rail		,
Type of piloting Pilot air supply Internal Flow direction non reversible Overlap Positive overlap Positive overlap b value 0.4 C value 9.9 l/sbar Switching time off 49 ms Switching time on 24 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 942017-5 and El 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 450 g Mounting type		
Pilot air supply       Internal         Flow direction       non reversible         Overlap       Positive overlap         b value       0.4         C value       9.9 l/sbar         Switching time off       49 ms         Switching time on       24 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 El 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       450 g         Mounting type       on manifold rail	Type of piloting	
Flow direction non reversible  Overlap Positive overlap  b value 0.4  C value 9.9 l/sbar  Switching time off 49 ms  Switching time on 24 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 El 60068-2-27  Corrosion resistance classification CRC 2 · Moderate corrosion stress  Medium temperature -10 60 °C  Product weight 450 g  Mounting type on manifold rail		Internal
Overlap       Positive overlap         b value       0.4         C value       9.9 l/sbar         Switching time off       49 ms         Switching time on       24 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 El 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       450 g         Mounting type       on manifold rail		
b value  C value  9.9 l/sbar  Switching time off  49 ms  Switching time on  24 ms  Max. positive test pulse with logic 0  Max. negative test pulse with logic 1  Operating medium  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 El 60068-2-7  Corrosion resistance classification CRC  Aedium temperature  Pilot medium  Compressed air in accordance with FN 942017-5 and El 60068-2-10 60 °C  Product weight  Mounting type  0.4  450 g  Mounting type		
C value 9.9 l/sbar  Switching time off 49 ms  Switching time on 24 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 El 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 450 g  Mounting type on manifold rail	,	1
Switching time off Switching time on 24 ms Aux. positive test pulse with logic 0 Aux. 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 test with severity level 2 in accordance with FN 942017-5 and El 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		
Switching time on 24 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 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 450 g  Mounting type on manifold rail		·
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 El 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 weight450 gMounting typeon manifold rail		
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 EI 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 weight450 gMounting typeon manifold rail		
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 El 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  450 g  Mounting type  on manifold rail		
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 El 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  450 g  Mounting type  on manifold rail		· · · · · · · · · · · · · · · · · · ·
942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 and El 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  450 g  Mounting type  on manifold rail		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  450 g  Mounting type  on manifold rail	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     450 g       Mounting type     on manifold rail	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  450 g  Mounting type  on manifold rail	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 450 g  Mounting type on manifold rail	Medium temperature	-10 60 °C
Ambient temperature -10 60 °C  Product weight 450 g  Mounting type on manifold rail	•	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Product weight 450 g  Mounting type on manifold rail	Ambient temperature	
Mounting type on manifold rail	,	450 g
= 17		
with through hole		with through hole
Optional		
Scavenging orifice connection Non-ducted	Scavenging orifice connection	
Pilot exhaust port 82 10-32 UNF-2B		
Pilot exhaust port 84 10-32 UNF-2B		
Pneumatic connection, port 1 3/8 NPT		



Feature	Value
Pneumatic connection, port 2	3/8 NPT
Pneumatic connection, port 3	3/8 NPT
Pneumatic connection, port 4	3/8 NPT
Pneumatic connection, port 5	3/8 NPT
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminium die cast
	Painted
Material Piston slide	Wrought Aluminium alloy
Material screws	Steel, nickel-plated