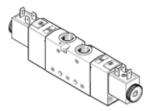
solenoid valve VUVS-L25-P53C-MZD-G14-F8-1B2 Part number: 575528





Data sheet

Valve function	Feature	Value
Valve size 26.5 mm	Valve function	5/3 closed
Standard nominal flow rate Operating pressure Operating pressure Operating pressure Piston slide Type of reset Manual override Standard or reversal Operating by soften Maritime classification See certificate Cortificate issuing department DNVGL-TAA000011) Protection class With plug socket to IEC 60529 Nominal size 6.5 mm Exhaust-air function throttleable Sealing principle Assembly position Any Manual override detenting Type of piloting Piloted Ploted Protection (Protection of the Piloted Pushing Type of piloting Piloted Positive overlap Pilot air supply external Flow direction Overlap Pilot pressure 2.5 10 bar Davide Overlap Pilot pressure Davide OA Switching time off Switching time off Switching time off Switching time reversal Daty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Max. positive test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Operation Vibration resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Pilot to medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Pilot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Pilot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Pilot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Type of actuation	electrical
Operating pressure Operating pressure Operating pressure Piston silde	Valve size	26.5 mm
Design structure Type of reset mechanical spring Authorisation cUL us - Recognized (OU) Maritime classification See certificate Certificate issuing department DNVGL-TAA000011J Protection class IP65 with plug socket to IE6 60529 Nominal size 6.5 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Manual override detenting Pushing Type of piloting Pilot air supply external Flow direction reversible Overlap Positive overlap Plot pressure Dvalue 0.4 Cvalue 0.5.1 // Sbar Switching time off Switching time off Max. negative test pulse with logic 0 Max. negative test pulse with logic 0 Max. negative test pulse with logic 1 Characteristic coil data 24 V DC: 3.3 W Permissible voltage fluctuation Operating medium Note on operating and pilot medium Lubricated operation stress Protection repressed Flow direction seed in accordance with FN 942017-5 and EN 60068-2-6 Shock resistance Corposion resistance Corposion resistance Corposion resistance Corposion resistance classification CRC 2 - Moderate corrosion stress Polito medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Plot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with ISO8573-1:2010 [7:4:4] Plot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Plot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Standard nominal flow rate	1,200 l/min
Type of reset mechanical spring Authorisation c UL us - Recognized (OL) Maritime classification see certificate Certificate issuing department DNVGL-TAA000011J Protection class IP65 With plug socket to IEC 60529 Nominal size 6.5 mm Exhaust-air function throttleable Sealing principle soft Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Pilot gressure Dvalue O.4 Cvalue S.2. J/sbar Switching time on 13 ms Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 0 2,000 µs Max. positive test pulse with logic 1 3,600 µs Permissible voltage fluctuation Dyeration resistance Flow direction test as severity level 2 in accordance with FN 942017-5 and EN 60648-2-2 Flock resistance Shock resistance Compressed in accordance with ISO8573-1:2010 [7:4:4] Flow direction test as severity level 2 in accordance with FN 942017-5 and EN 6664-2-2 Flot or medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4] Flot medium temperature Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Operating pressure	-0.9 10 bar
Authorisation classification see certificate See certificate See certificate See certificate Susing department DNVGL-TAA000011] Protection class P65 with plug socket to EC 60529 Nominal size 6.5 mm Exhaust-air function throttleable Sealing principle soft detenting Pushing Plotted detenting Pushing Plotted Pushing Pushing Plotted Positive overlap Plotted Positive overlap Positive in Grant Switching time of Switching time on 13 ms Switching time reversal 2.5 m. 10 bm Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 0 2.000 µs Max. positive test pulse with logic 1 3.600 µs Positive overlap Positive o	Design structure	Piston slide
Maritime classification Certificate issuing department Protection class IP65 with plug socket to IEC 60529 Nominal size 6.5 mm Exhaust-air function Sealing principle Sealing principle Soft Any Manual override Determine Ploted Determine Ploted Develop Ploted Positive overlap Positive overlap Positive overlap Ploted Switching time off Switching time off Switching time on Switching time reversal Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Spermissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ploted medium temperature Plot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Plot medium temperature Plot medium temperature Plot medium temperature Plot medium compressed air in accordance with ISO8573-1:2010 [7:4:4] Plot medium temperature Plot medium compressed air in accordance with FN 942017-5 and EN 60068-2-6 Corrosion resistance classification CRC Plot medium temperature Plot medium temperature Plot medium compressed air in accordance with ISO8573-1:2010 [7:4:4] Plot medium temperature Plot medium temperature Plot medium compressed air in accordance with FN 942017-5 and EN 60068-2-6 Plot medium temperature Plot medium compressed air in accordance with FN 942017-5 and EN 60068-2-6 Plot medium temperature Plot medium temperature Plot medium compressed air in accordance with ISO8573-1:2010 [7:4:4]	Type of reset	mechanical spring
Certificate issuing department Protection class P65	Authorisation	c UL us - Recognized (OL)
Protection class P65	Maritime classification	see certificate
with plug socket to IEC 60529 Nominal size 6.5 mm Exhaust-air function throttleable Sealing principle Ansembly position Any Manual override detenting Pushing Plioted Pliot air supply external Flow direction Overlap Positive overlap Pliot pressure 2.5 10 bar b value 0.4 Cvalue 5.2 I/sbar Switching time off Switching time off Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 0 Max. positive test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation Operating and pilot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Note on operating and pilot medium Flow direction Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test sith seversu Shock compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Compressed air in accordance with IS08573-1:2010 [7:4:4] Pliot medium Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance Lassification CRC Lab. Compressed air in accordance with IS08573-1:2010 [7:4:4] Pliot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Pliot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Pliot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Pliot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Pliot medium Compressed air in accordance with IS08573-1:2010 [7:4:4] Pliot medium Compressed air in accordance with IS08573-1:2010 [7:4:4]	Certificate issuing department	DNVGL-TAA000011J
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to IEC 60529 Nominal size Exhaust-air function throttleable Sealing principle Soft Assembly position Any Manual override Getenting Pushing Type of piloting Piloted Piloted Piloted Piloted Positive overlap Positive overlap Positive overlap Pilot pressure 0.4 C value 5.2 I/sbar Switching time on 13 ms Switching time on 13 ms Switching time reversal Duty cycle 100 % Max. positive test pulse with logic 1 Characteristic coil data 24 V DC: 3.3 W Permissible voltage fluctuation 4-1 0% Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium pilot medium temperature 10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Filot medium temperature Pilot medium temperature Filot pressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating sters to the search of the		with plug socket
Exhaust-air function throttleable soft soft Any		
Sealing principle Assembly position Any Manual override Metenting Pushing Type of piloting Piloted Pilot air supply Pilot pressure Positive overlap Pilot pressure Pilot pressure Positive overlap Pilot pressure Pilot pressure Positive overlap Posi	Nominal size	6.5 mm
Assembly position Manual override Manual override Metenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Pilot pressure 2.5 10 bar b value C value 5.2 l/sbar Switching time off Switching time off Switching time on 13 ms Switching time reversal 26 ms Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation Operating medium Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Compressed air in accordance with ISO8573-1:2010 [7:4:4] Nedium temperature 10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Rode on operating necessance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Accompressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Exhaust-air function	throttleable
Assembly position Manual override Manual override Metenting Pushing Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Pilot pressure 2.5 10 bar b value C value 5.2 l/sbar Switching time off Switching time off Switching time on 13 ms Switching time reversal 26 ms Duty cycle Max. positive test pulse with logic 0 Max. negative test pulse with logic 1 Characteristic coil data Permissible voltage fluctuation Operating medium Note on operating and pilot medium Vibration resistance Shock resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Compressed air in accordance with ISO8573-1:2010 [7:4:4] Nedium temperature 10 60 °C Compressed air in accordance with ISO8573-1:2010 [7:4:4] Rode on operating necessance Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Accompressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Compressed air in accordance with ISO8573-1:2010 [7:4:4]	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 0.4 C value 5.2 l/sbar Switching time off 42 ms Switching time on 13 ms Switching time reversal 26 ms Duty cycle 100 % Max. positive test pulse with logic 0 2,000 μs Max. negative test pulse with logic 1 3,600 μs Characteristic coil data 24 V DC: 3.3 W Permissible voltage fluctuation 4/- 10 % 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		Any
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Type of piloting Piloted Pilot air supply external Flow direction reversible Overlap Positive overlap Pilot pressure 2.5 10 bar b value C value 5.2 l/sbar Switching time off 42 ms Switching time reversal 26 ms Duty cycle 100 % Max. positive test pulse with logic 0 2,000 µs Max. negative test pulse with logic 1 3,600 µs Characteristic coil data 24 V DC: 3.3 W Permissible voltage fluctuation 4/- 10 % Operating medium Note on operating and pilot medium Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Medium temperature Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Accompressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Accompressed air in accordance with ISO8573-1:2010 [7:4:4] Compressed air in accordance with FN 942017-5 and EN 60068-2-27 Corrosion resistance classification CRC Compressed air in accordance with ISO8573-1:2010 [7:4:4]		
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Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Shock resistance	·
Medium temperature -10 60 °C Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]	Corrosion resistance classification CRC	2 - Moderate corrosion stress
Pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]		
ranipient temperature 1-10 60 °C	Ambient temperature	-10 60 °C
Product weight 430 g		



Feature	Value
Electrical connection	Plug pattern type B to EN 175301-803
Mounting type	on manifold rail
	with through hole
	Optional
Scavenging orifice connection	Non-ducted
Pilot exhaust port 82	M5
Pilot exhaust port 84	M5
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
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