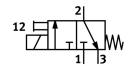
Air solenoid valve VSCS-B-M32-MD-WA-1R3

FESTO

Part number: 573215





Data sheet

General operating condition

Actuation type Electrical Midth 15 mm Standard nominal flow rate 18 l/min Peneumatic working port Operating yottage Operating pressure Operating pressure Operating pressure Operating pressure Operating spressure Operating spressure Operating operating pressure Operating operating operating operating operating pressure Operating operating pressure Operating	Feature	Value
Avidith 15 mm Standard nominal flow rate 18 l/min Pineumatic working port 5 bub-base, size 15 mm according to ISO 15218 Operating voltage 24V DC Operating pressure 0 MPa 1 MPa Operating pressure 0 ops 145 psi Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection IP65 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Determing Sype of control Direct Flow direction Non-reversible Symbol 00991308 Lap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Underlap Operating time off 6 ms On switching time off 6 ms On switching time off 6 ms On switching time (Source and Source and Sourc	Valve function	3/2, closed, monostable
Standard nominal flow rate 18 l/min Sub-base, size 15 mm according to ISO 15218 Operating pressure Ope	Actuation type	Electrical
Peneumatic working port Deprating voltage 24V DC Operating pressure Operation pressed air as per ISO 8573-1:2010 [7:4:4] Operation resistance Corrosion resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Operation were stresses	Width	15 mm
Operating voltage 24V DC Operating pressure 0 MPa 1 MPa Operating pressure 0 bar 10 bar Operating pressure 0 psi 145 psi Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection IP65 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting Vipe of control Direct How direction Non-reversible Symbol 00991308 Lap Underlap Note on forced dynamization Switching frequency at least once a week Switching time off 6 ms Dot switching time 6 ms Dots witching time 6 ms Dots witching time 6 ms Out cycle 100% Max. positive test pulse with 0 signal 1800 μs Max. negative test pulse on 1 signal 800 μs Coli characteristics 24 V DC: 1.8 W Permissible volt	Standard nominal flow rate	18 l/min
Operating pressure 0 MPa 1 MPa Operating pressure 0 bar 10 bar Operating pressure 0 psi 145 psi Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection 1P65 Sealing principle Soft Mounting position Any Conforms to standard 1SO 15218 Manual override Detenting Non-detenting Type of control Direct Flow direction Non-reversible Symbol 00991308 Lap Underlap Note on forced dynamization Switching frequency at least once a week Switching time off 6 ms On switching time 6 ms Duty cycle 100% Max. positive test pulse with 0 signal 1800 μs Max. positive test pulse on 1 signal 800 μs Coll characteristics 24 V DC: 1.8 W Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pi	Pneumatic working port	Sub-base, size 15 mm according to ISO 15218
Deparating pressure Operating pressure Opera	Operating voltage	24V DC
Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating principle Operating position Operating Operati	Operating pressure	0 MPa 1 MPa
Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection Degree of protection Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting Flow direction Non-reversible Symbol Lap Underlap Note on forced dynamization Switching time off On switching time On switching time On switching time On switching time Ans. regative test pulse with 0 signal Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal One permissible voltage fluctuations Depretating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Shock resistance	Operating pressure	0 bar 10 bar
Certification c UL us - Recognized (OL) Degree of protection IP65 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting Non-detenting Non-detenting Symbol O991308 Lap Underlap Note on forced dynamization Switching time off On switching time off On switching time Onswitching time teast once a week Onswitching time Ons	Operating pressure	0 psi 145 psi
Degree of protection Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting Prype of control Flow direction Non-reversible Symbol Jorect Underlap Note on forced dynamization Switching time off On switching time Duty cycle Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Soil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations Operating medium Information on operating and pilot media Vibration resistance Shock resistance Shock resistance Shock resistance Corrosion resistance class (CRC) Petenting Soft Any Any Soft Any Any Soft Any Soft Any Any Soft Any Soft Any Soft Any Any Stephal Sol 15218 Any Switching flow Dowestide Switching frequency at least once a week 6 ms 6 ms Duty cycle 100% Max. positive test pulse with 0 signal 1800 µs Soo µs Corrosion resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Reset method	Mechanical spring
Sealing principle Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting Non-detenting Flow direction Non-reversible Symbol Op991308 Lap Underlap Note on forced dynamization Switching frequency at least once a week Switching time off On switching time 6 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Soil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations Permissible voltage fluctuations Operating medium Compersed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-26 Shock resistance Shock resistance Corrosion resistance crossion stress	Certification	c UL us - Recognized (OL)
Mounting position Conforms to standard ISO 15218 Manual override Detenting Non-detenting Ivpe of control Direct Non-reversible Symbol Dospitol Dos	Degree of protection	IP65
Conforms to standard Manual override Detenting Non-detenting Direct Non-reversible Symbol Doppia Underlap Note on forced dynamization Switching frequency at least once a week Switching time off Draw in Switching time Max. positive test pulse with 0 signal Max. positive test pulse on 1 signal Coil characteristics Permissible voltage fluctuations Deparating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Wibration resistance Shock resistance Shock resistance Corrosion resistance class (CRC) Dienet Detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-reversible Obeparating Non-reversible Switching frequency at least once a week 6 ms 0 ms 100% Max. positive test once a week 6 ms 100% Max. positive test pulse with 0 signal Non-generating frequency at least once a week 6 ms 100% 10	Sealing principle	Soft
Detenting Non-detenting Type of control Flow direction Non-reversible Symbol Operating Manual override Direct Flow direction Non-reversible Symbol Operating frequency at least once a week Switching time off On switching time On switching time On switching time Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Coil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Cass (CRC)	Mounting position	Any
Non-detenting Type of control Direct Flow direction Non-reversible Symbol O0991308 Lap Underlap Note on forced dynamization Switching frequency at least once a week Switching time off 6 ms On switching time 6 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Social characteristics 24 V DC: 1.8 W Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Shock resistance Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Conforms to standard	ISO 15218
Non-reversible Symbol Diversible Oversible Oversib	Manual override	
Symbol00991308LapUnderlapNote on forced dynamizationSwitching frequency at least once a weekSwitching time off6 msOn switching time6 msDuty cycle100%Max. positive test pulse with 0 signal1800 μsMax. negative test pulse on 1 signal800 μsCoil characteristics24 V DC: 1.8 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 60068-2-27Corrosion resistance class (CRC)2 - Moderate corrosion stress	Type of control	Direct
Underlap Note on forced dynamization Switching frequency at least once a week Switching time off 6 ms On switching time 6 ms Duty cycle 100% Max. positive test pulse with 0 signal 880 μs Coil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating medium in the foliation of	Flow direction	Non-reversible
Note on forced dynamization Switching frequency at least once a week Switching time off 6 ms Duty cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Soo μs Coil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Symbol	00991308
Switching time off On switching time On switchin	Lap	Underlap
On switching time6 msDuty cycle100%Max. positive test pulse with 0 signal1800 μsMax. negative test pulse on 1 signal800 μsCoil characteristics24 V DC: 1.8 WPermissible voltage fluctuations-15 % / +10 %Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Vibration resistanceTransport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 as per FN 942017-5 and EN 60068-2-27Corrosion resistance class (CRC)2 - Moderate corrosion stress	Note on forced dynamization	Switching frequency at least once a week
Duty cycle 100% Max. positive test pulse with 0 signal 1800 μs Max. negative test pulse on 1 signal 800 μs Coil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Switching time off	6 ms
Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal 800 μs Coil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	On switching time	6 ms
Max. negative test pulse on 1 signal 800 μs Coil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations -15 % / +10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Duty cycle	100%
Coil characteristics 24 V DC: 1.8 W Permissible voltage fluctuations -15 % / +10 % Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Max. positive test pulse with 0 signal	1800 μs
Permissible voltage fluctuations -15 % / +10 % Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Max. negative test pulse on 1 signal	800 μs
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Coil characteristics	24 V DC: 1.8 W
Operation with oil lubrication possible (required for further use) Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Permissible voltage fluctuations	-15 % / +10 %
Vibration resistance Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
EN 60068-2-6 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC) 2 - Moderate corrosion stress	Vibration resistance	
· · ·	Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
ABS (PWIS) conformity VDMA24364-C1-L	Corrosion resistance class (CRC)	2 - Moderate corrosion stress
	LABS (PWIS) conformity	VDMA24364-C1-L

Feature	Value
Temperature of medium	-10 °C 50 °C
Ambient temperature	-10 °C 50 °C
Electrical connection	M12x1 as per IEC 61076-2-101
Pneumatic connection 1	Sub-base
Pneumatic connection 2	Sub-base
Pneumatic connection 3	Sub-base
Note on materials	RoHS-compliant
Seals material	NBR