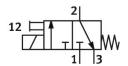
Air solenoid valve VSCS-B-M32-MD-WA-1R3

FESTO

Part number: 573215





Data sheet

General operating condition

Actuation type Electrical Midth	Feature	Value
Avidith 15 mm Standard nominal flow rate 18 l/min Sub-base, size 15 mm according to ISO 15218 Deperating voltage 24V DC Operating pressure 0 MPa 1 MPa Operating pressure 0 opa 145 psi Reset method Mechanical spring Certification cUL us - Recognized (OL) Degree of protection IP65 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Determing Non-detenting Non-dete	Valve function	3/2, closed, monostable
Standard nominal flow rate 18 l/min Sub-base, size 15 mm according to ISO 15218 Derating pressure Operating pressure Operation with oil lubrication possible (required for further use) Operation resistance Operation resistance Operation vith oil lubrication possible (required for further use) Operation resistance Operation vith oil lubrication possible (required for further use) Operation resistance Operation vith oil lubrication stress per FN 942017-5 and EN 60068-2-27 corrosion resistance Operation vith oil severity level 2 as per FN 942017-5 and EN 60068-2-27 corrosion resistance	Actuation type	Electrical
Denominatic working port Denominatic working port Deperating voltage 24V DC Operating pressure Operating medium Operation operating and pilot media Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 corrosion resistance Operation stress	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 (Ot) Degree of protection IP65 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Wanual override Detenting Non-detenting Non-detenting Fype of control Direct Flow direction Non-reversible Symbol 00991308 Lap Underlap Vote on forced dynamization Switching frequency at least once a week Switching time off 6 ms On switching time off 6 ms On switching time 6 ms Outy 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 Peremissible voltage f	Standard nominal flow rate	18 l/min
Departing pressure Operating pressure Opera	Pneumatic working port	Sub-base, size 15 mm according to ISO 15218
Departing pressure Operating pressure Opsi 10 bar Opsi 145 psi Reset method Mechanical spring cut. us - Recognized (OL) Degree of protection P65 Detenting principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting Flow direction Non-reversible Symbol Opsil 10 bar Op	Operating voltage	24V DC
Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating pressure Operating principle Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Operating Mon-detenting Non-detenting Non-detenting Symbol Operating Moneration Operating position Non-reversible Operating Moneration Switching time off On switching time On switching time Outy cycle Max. positive test pulse with 0 signal Max. negative test pulse with 0 signal Max. negative test pulse on 1 signal Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Compressibance Shock resistance	Operating pressure	0 MPa 1 MPa
Reset method Mechanical spring Certification c UL us - Recognized (OL) Degree of protection Degree of protection P65 Sealing principle Soft Mounting position Any Conforms to standard Detenting Non-detenting Flype of control Direct Di	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 Flype of control Direct Clow direction Non-reversible Symbol 09991308 Lap Underlap Switching time off 6 ms On switching time off 6 ms Duty cycle 100% Max. positive test pulse with 0 signal 1800 µs Max. negative test pulse on 1 signal 800 µs Detenting Rouge fluctuations 15 % / +10 % Depending 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) Floration resistance Shock resistance Class (CRC) 2 - Moderate corrosion stress	Operating pressure	0 psi 145 psi
Degree of protection IP65 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting 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 On switching time Outy cycle 100% Max. positive test pulse on 1 signal 800 µs Max. positive test pulse on 1 signal 800 µs Coil characteristics 24 V DC: 1.8 W Dermissible voltage fluctuations Operating medium Information on operating and pilot media Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-27 Corrosion resistance Shock resistance corrosion stress	Reset method	Mechanical spring
Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Detenting Non-detenting Flow direction Non-reversible Symbol Joinet Joi	Certification	c UL us - Recognized (OL)
Mounting position Conforms to standard ISO 15218 Manual override 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 On switching time Max. positive test pulse with 0 signal 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 Operation with oil lubrication possible (required for further use) Transport application test with severity level 2 as per FN 942017-4 and EN 60068-2-25 corrosion resistance Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-25 corrosion resistance class (CRC)	Degree of protection	IP65
Tonforms to standard Manual override Detenting Non-detenting Direct Direct Non-reversible Symbol Dougling Do	Sealing principle	Soft
Detenting Non-detenting Flow direction Non-reversible Symbol Operating Manual override Outer on forced dynamization Switching frequency at least once a week Switching time off On switching time On switching time Outer on social with 0 signal 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 Wibration resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-26 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-26 Corrosion resistance Class (CRC) 2 - Moderate corrosion stress	Mounting position	Any
Non-detenting Flow direction Non-reversible Symbol Operation Non-reversible Symbol Operation Note on forced dynamization Switching frequency at least once a week Switching time off On switching time Operation switching time Operation consistent on the switch one of the switch of the switch one operation 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 Operation resistance class (CRC) 2 - Moderate corrosion stress	Conforms to standard	ISO 15218
Non-reversible Op991308 Lap Underlap Note on forced dynamization Switching frequency at least once a week Switching time off On switching time On switching time On switching time In Substitution Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Substitution Sermissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operation with oil lubrication possible (required for further use) Wibration resistance Transport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Corrosion resistance Class (CRC) 2 - Moderate corrosion stress	Manual override	
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 Outy 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	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 Outy cycle 100% Max. positive test pulse with 0 signal Max. negative test pulse on 1 signal Soil 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 Operation with oil lubrication possible (required for further use) Fransport application test with severity level 2 as per FN 942017-5 and EN 60068-2-27 Shock resistance Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27 2 - Moderate corrosion stress	Flow direction	Non-reversible
Switching frequency at least once a week 6 ms On switching time off 6 ms Outy 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 2 - Moderate corrosion stress	Symbol	00991308
Switching time off On switching time 6 ms Outy 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 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	Lap	Underlap
On switching time6 msOuty 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] nformation 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	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 % Coperating 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	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] 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	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 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 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
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	Coil characteristics	24 V DC: 1.8 W
nformation 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	Permissible voltage fluctuations	-15 % / +10 %
/ibration 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	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
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