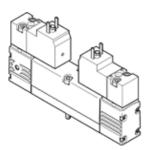
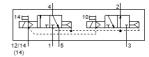
Solenoid valve **VSVA-B-T32H-AZH-A2-1AC1**Part number: 547113

FESTO

With square plug, shape C





Data sheet

Valve function Type of actuation Questing pressure MPa Questing pressure Piston slide Questing pressure Protection class Questing Questing MPa Questing Questing Questing MPa Questing	Feature	Value
Valve size 18 mm Standard nominal flow rate 400 l/min Operating pressure MPa 0.2 1 MPa Working pressure 2 10 bar Design structure Piston slide Type of reset Protection class IP65 NEMA 4 Nominal size Smm Exhaust-air function Sealing principle Assembly position Conforms to standard VDMA 24563 Manual override Pilot air supply Pilot air supply external Flow direction Ino non reversible Lap Signal status display LED Pilot pressure Pilot valve on individual subbase Flow rate of valve on individual subbase Flow rate of pneumatically tinked valve Switching time off Switching time of Lubricated operation possible (subsequently required for further operation) Lubricated operation possible (subsequently required for further operation) Lubricated operation possible (subsequently required for further operation)	Valve function	2x3/2 open/closed, monostable
Standard nominal flow rate Operating pressure MPa O.21 MPa Working pressure Design structure Piston slide Type of reset Protection class IP65 NEMA 4 Nominal size Saling principle Assembly position Any Conforms to standard VDMA 24563 Manual override Type of piloting Pilot air supply Flow direction Inon reversible Lap Positive overlap Signal status display IED Pilot pressure MPa O.31 MPa Pilot pressure MPa O.31 MPa Flow rate of valve on individual subbase Flow rate of valve no individual subbase Flow rate of valve no individual subbase Flow rate of pueumatically linked valve Switching time on Duty cycle Characteristic coil data Persiting and pilot medium Volon 24 AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ubricated operation) Value (Subsequently required for further operation)	Type of actuation	electrical
Operating pressure MPa Working pressure 2 10 bar Design structure Piston slide Type of reset Air spring Protection class IP65 NEMA 4 Nominal size 5 mm Exhaust-air function throttleable Sealing principle Any Conforms to standard IS0 15407-1 VDMA 24563 Manual override Type of piloting Pioted Type of piloting Pioted Pilot air supply external Flow direction non reversible Lap Positive overlap Signal status display LED Pilot pressure MPa 0.3 1 MPa 13 10 bar Flow rate of valve on individual subbase Apermissible voltage fluctuation 13 ms Duty cycle Characteristic coil data Postitive overlap power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation 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)	Valve size	18 mm
Working pressure Design structure Piston slide Type of reset Air spring Protection class IP65 NEMA 4 Nominal size Exhaust-air function Sealing principle Assembly position Conforms to standard Conforms to standard VDMA 24563 Manual override Pilot air supply Pilot air supply Plot air supply Plot air supply Plot pressure Lap Signal status display LED Pilot pressure MPa Pilot pressure 13 10 bar Flow rate of valve on individual subbase Flow trace of valve on individual subbase Flow trace of valve on individual subbase Flow trace of valve on individual subbase Flow rate of pneumatically linked valve A00 1/min Switching time on Duty cycle Characteristic coil data 24 v AC: 50/60 Hz, pick-up power 3.1 vA, holding power 2.3 vA Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Ubricated operation possible (subsequently required for further operation)	Standard nominal flow rate	400 l/min
Design structure Type of reset Air spring Protection class IP65 NEMA 4 Nominal size 5 mm Exhaust-air function Sealing principle Assembly position Any Conforms to standard IS0 15407-1 VDMA 24563 Manual override Type of piloting Pilot air supply Pilot air supply Pilot air supply Flow direction Lap Signal status display LED Pilot pressure MPa Pilot pressure Flow rate of valve on individual subbase Flow rate of valve on individual subbase Flow rate of pneumatically linked valve Switching time off Switching time off Switching time on Duty cycle Characteristic coil data Permissible voltage fluctuation 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)	Operating pressure MPa	0.2 1 MPa
Type of reset Protection class Protectio	Working pressure	2 10 bar
Protection class IP65 NEMA 4 Nominal size 5 mm Exhaust-air function throttleable Sealing principle soft Assembly position Any Conforms to standard ISO 15407-1 VDMA 24563 Manual override Pushing Type of piloting Piloted Pilot air supply external Flow direction non reversible Lap Positive overlap Signal status display LED Pilot pressure MPa O.3 1 MPa Pilot pressure MPa O.3 1 MPa Pilot pressure divalve on individual subbase 450 I/min Flow rate of valve on individual subbase 450 I/min Flow rate of pneumatically linked valve 400 I/min Switching time off 21 ms Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -1.5 % / +10 % Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Unbricated operation possible (subsequently required for further opperation)	Design structure	Piston slide
NEMA 4 Nominal size 5 mm Exhaust-air function throttleable soft Assembly position Any Conforms to standard ISO 15407-1 VDMA 24563 Manual override Pushing Type of piloting Piloted Pilot air supply external Flow direction non reversible Lap Positive overlap Signal status display LED Pilot pressure MPa 0.3 1 MPa Pilot pressure MPa 0.3 1 MPa Pilot pressure of valve on individual subbase 450 I/min Flow rate of valve on individual subbase 450 I/min Flow rate of pneumatically linked valve 400 I/min Switching time of 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation)	Type of reset	Air spring
Nominal size S mm	Protection class	IP65
Exhaust-air function Sealing principle Assembly position Conforms to standard Conforms to standard Conforms to standard Manual override Type of piloting Piloted Pilot air supply Pilot air supply Positive overlap Signal status display Pilot pressure Pilot pressure 3 10 bar Flow rate of valve on individual subbase Assorbing time on Duty cycle Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation 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)		NEMA 4
Sealing principle Assembly position Conforms to standard Conforms to standard Any Sol 15407-1 VDMA 24563 Manual override Type of piloting Piloted Piloted Piloted Pilot air supply external Flow direction In on reversible Lap Positive overlap Signal status display Pilot pressure MPa Pilot pressure MPa Pilot pressure 3 10 bar Flow rate of valve Flow rate of valve on individual subbase Flow rate of valve on individual subbase Flow rate of pneumatically linked valve Switching time off Switching time on Duty cycle Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation 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)	Nominal size	5 mm
Assembly position Conforms to standard Conforms to standard ISO 15407-1 VDMA 24563 Manual override Pushing Piloted Pilot air supply Pilot air supply Pilot air supply Positive overlap Experimental Signal status display LED Positive overlap Lied Pilot pressure MPa O.3 1 MPa Pilot pressure Pilot pressure Pilot pressure Pilot pressure Osum 10 bar Pilot pressure Osum 10 bar Pilow rate of valve on individual subbase Positive overlap Experimental Signal Experi	Exhaust-air function	throttleable
Conforms to standard ISO 15407-1 VDMA 24563 Manual override Type of piloting Piloted Pilot air supply Pilot air supply Positive overlap Signal status display Positive overlap Signal status display LED Pilot pressure MPa O.3 1 MPa Pilot pressure Now rate of valve Flow rate of valve on individual subbase Flow rate of pneumatically linked valve Switching time off Switching time on Duty cycle Characteristic coil data Permissible voltage fluctuation Operating medium Note on operating and pilot medium ISO 15407-1 VDMA 24563 Pushing Pilot de external Positive overlap LED O3 1 MPa 3 10 bar Flow rate of valve on individual subbase 450 l/min Flow rate of pneumatically linked valve 400 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation 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)	Sealing principle	soft
VDMA 24563	Assembly position	Any
Manual override Type of piloting Pilot air supply Pilot air supply Positive overlap Positive overlap Pilot pressure Pilot pres	Conforms to standard	ISO 15407-1
Type of piloting Piloted Pilot air supply external Flow direction non reversible Lap Positive overlap Signal status display LED Pilot pressure MPa 0.3 1 MPa Pilot pressure MPa 0.3 1 MPa Pilot pressure 600 l/min Flow rate of valve nindividual subbase 450 l/min Flow rate of pneumatically linked valve 400 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)		VDMA 24563
Pilot air supply Flow direction Lap Positive overlap Signal status display Pilot pressure MPa Pilot pressure Blow rate of valve Flow rate of valve on individual subbase Flow rate of pneumatically linked valve Switching time off Switching time on Duty cycle Characteristic coil data Permissible voltage fluctuation Operating medium Positive overlap Positive overlap 1. MPa Positive overlap 1. MPa 1. MP	Manual override	Pushing
Flow direction non reversible Lap Positive overlap Signal status display LED Pilot pressure MPa 0.3 1 MPa Pilot pressure MPa 0.3 10 bar Flow rate of valve 600 l/min Flow rate of valve on individual subbase 450 l/min Flow rate of pneumatically linked valve 400 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Type of piloting	Piloted
LED	Pilot air supply	external
Signal status display LED Pilot pressure MPa 0.3 1 MPa Pilot pressure Flow rate of valve 600 l/min Flow rate of valve on individual subbase Flow rate of pneumatically linked valve Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation Operating medium Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation)	Flow direction	non reversible
Pilot pressure MPa Pilot pressure 3 10 bar Flow rate of valve 600 l/min Flow rate of valve on individual subbase Flow rate of pneumatically linked valve 450 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Lap	Positive overlap
Pilot pressure 3 10 bar Flow rate of valve 600 l/min Flow rate of valve on individual subbase 450 l/min Flow rate of pneumatically linked valve 400 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Signal status display	LED
Flow rate of valve 600 l/min Flow rate of valve on individual subbase 450 l/min Flow rate of pneumatically linked valve 400 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Pilot pressure MPa	0.3 1 MPa
Flow rate of valve on individual subbase Flow rate of pneumatically linked valve 400 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Pilot pressure	3 10 bar
Flow rate of pneumatically linked valve 400 l/min Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Flow rate of valve	600 l/min
Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Flow rate of valve on individual subbase	450 l/min
Switching time off 21 ms Switching time on 13 ms Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Flow rate of pneumatically linked valve	400 l/min
Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)		21 ms
Duty cycle 100 % Characteristic coil data 24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA Permissible voltage fluctuation -15 % / +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)	Switching time on	13 ms
Permissible voltage fluctuation 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)		100 %
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)	Characteristic coil data	24 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.3 VA
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)	Permissible voltage fluctuation	-15 % / +10 %
operation)		Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Vibration resistance	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	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 60068-2-27	Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Corrosion resistance classification CRC 0 - No corrosion stress	Corrosion resistance classification CRC	100000000000000000000000000000000000000
PWIS conformity VDMA24364-B1/B2-L		
Medium temperature -5 50 °C	,	•
Relative air humidity 0 - 90 %	,	
Sound pressure level 85 dB(A)	•	



Feature	Value
Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Ambient temperature	-5 50 °C
Max. tightening torque, valve mounting	1 Nm
Product weight	174 g
Electrical connection	Plug pattern type C to EN 175301-803
	Per DIN EN 175301-803
	Without mains earth
Mounting type	On subbase
Auxiliary pilot air port 12	Connection plate size 18 mm, according to ISO 15407-1
Auxiliary pilot air port 14	Connection plate size 18 mm, according to ISO 15407-1
Pilot exhaust port 82/84	Not ducted as per standard
	Ducted
Pneumatic connection, port 1	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 2	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 3	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 4	Connection plate size 18 mm, according to ISO 15407-1
Pneumatic connection, port 5	Connection plate size 18 mm, according to ISO 15407-1
Pilot interface	According to ISO 15218
Materials note	Conforms to RoHS
Material seals	HNBR
	NBR
Material housing	Aluminum die cast
Material screws	Steel
	Galvanized