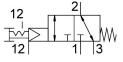
Pushbutton valve VHEF-PTCZ-B32-G18

Part number: 5299708

Data sheet

Width20 mmStandard nominal flow rate750 l/minPneumatic working portG1/8Operating pressure-0.095 MPa1 MPa -0.95 bar10 barStructural designPlate seatNominal width5.6 mmExhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLap0.3 MPa1 MPa -0.95 bar10 barPilot pressure MPa0.3 MPa1 MPa -0.95 bar10 barPilot pressure psi3 bar10 barPilot pressure psi43.5 psi145 psi -0.5 Hz	Feature	Value
Width20 mmStandard nominal flow rate750 l/minPneumatic working portG1/8Operating pressure-0.095 MPa1 MPa -0.95 bar10 barStructural designPlate seatNominal width5.6 mmExhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingPilot controlPilot-controlledPilot air supply portExternalFlow directionReversibleLap2ero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi43.5 psi145 psiMax. switching frequencySoft 4.5 psiExplosion prevention and protectionCompressed air as per ISO 8573-1:2010 [7:]Operating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - tow corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Valve function	3/2, bistable
Standard nominal flow rate750 l/minPneumatic working portG1/8Operating pressure-0.095 MPa1 MPa -0.95 bar10 barStructural designPlate seatNominal widthS.6 mmExhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingType of controlPlot controlledPlot air supply portExternalFlow directionReversibleLap26 or orlapPlot pressure Pla30 MPa1 MPaPlot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionCompersed air as per ISO 8573-1:2010[7:··]Operating mediumOperating moli ulubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium10 °C60 °C	Actuation type	Manual
Pneumatic working portG1/8Operating pressure-0.95 MPa10 MPa -0.95 Mpa10 barStructural designPlate seatNominal width5.6 mmExhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMouning positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLap2ero overlapPilot pressure Pia3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zo	Width	20 mm
Operating pressure-0.95 MPa1 MPa -0.95 bar10 barStructural designPlate seatNominal width5.6 mmExhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLap2ro overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Z	Standard nominal flow rate	750 l/min
-0.95 bar10 barStructural designPlate seatNominal width5.6 mmExhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalRow directionReversibleLap2ero overlapPilot pressure MPa0.3 MPa10 barPilot pressure psi43.5 psi145 psiMax. switching frequencyCont I (ATEX) Zone 21 (ATEX) <br< td=""><td>Pneumatic working port</td><td>G1/8</td></br<>	Pneumatic working port	G1/8
Nominal width5.6 mmExhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZom 2 (ATEX) Zome 2 (ATEX)Defenting mediumCoertion with oil lubrication possible (required for further use)Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)LABS (PWIS) conformityVDMA24364-B1/B2-L	Operating pressure	
Exhaust air functionWith flow control optionApplication noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi3 bar10 barMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX)	Structural design	Plate seat
Application noteOperate by hand onlySealing principleSoftMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Nominal width	5.6 mm
Sealing principleSoftMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:-:]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 · Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium·10 °C60 °C	Exhaust air function	With flow control option
Nourting positionAnyMounting positionAnyManual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 2 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Application note	Operate by hand only
Manual overrideDetentingType of controlPilot-controlledPilot air supply portExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure MPa3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX)Operating mediumOperating and pilot mediaCorrosion resistance class (CRC)1 -Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Sealing principle	Soft
Type of controlPilot-controlledPilot air supply portExternalPilot air supply portExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure psi3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) ZONE	Mounting position	Any
No.ExternalFlow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure MPa3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformity-10 °C60 °C	Manual override	Detenting
Flow directionReversibleLapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Type of control	Pilot-controlled
LapZero overlapPilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7::-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Pilot air supply port	External
Pilot pressure MPa0.3 MPa1 MPaPilot pressure3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Flow direction	Reversible
Pilot pressure3 bar10 barPilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010[7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Lap	Zero overlap
Pilot pressure psi43.5 psi145 psiMax. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Pilot pressure MPa	0.3 MPa1 MPa
Max. switching frequency0.5 HzExplosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Pilot pressure	3 bar10 bar
Explosion prevention and protectionZone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Pilot pressure psi	43.5 psi145 psi
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX)Operating mediumCompressed air as per ISO 8573-1:2010 [7:-:-]Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Max. switching frequency	0.5 Hz
Information on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B1/B2-LTemperature of medium-10 °C60 °C	Explosion prevention and protection	Zone 2 (ATEX) Zone 21 (ATEX)
Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Operating medium	Compressed air as per ISO 8573-1:2010 [7:-:-]
LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Temperature of medium -10 °C60 °C	Corrosion resistance class (CRC)	1 - Low corrosion stress
	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature -10 °C60 °C	Temperature of medium	-10 °C60 °C
	Ambient temperature	-10 °C60 °C

FESTO



Feature	Value
Actuating force	20 N
Release force	25 N
Product weight	168 g
Type of mounting	Front panel mounting With through-hole Optionally:
Pilot air port 12/14	M5
Pilot air port 12	M5
Pneumatic connection 1	G1/8
Pneumatic connection 2	G1/8
Pneumatic connection 3	G1/8
Note on materials	RoHS-compliant
Cover material	PA-reinforced
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized