Pushbutton valve VHEF-PTC-B32-N14

Part number: 5299725





Data sheet

Actuation type Manual Width 20 mm Standard nominal flow rate 870 l/min Pneumatic working port 1/4 NPT Operating pressure 0.35 MPa1 MPa 3.5 bar10 bar Structural design Plate seat Nominal width 6 mm Exhaust air function With flow control option Application note Operate by hand only Sealing principle Soft Mounting position Any Manual override Detenting Pilot controlled Pilot air supply port Internal Flow direction Reversible Lap Zero overlap Pilot pressure MPa Diot pressure MPa Diot pressure MPa Diot pressure psi Max. switching frequency 0.5 Hz Explosion prevention and protection Zone 21 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Corresion resistance class (CRC) 1-tow corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -0.05 MCACCACCACCACCACCACCACCACCACCACCACCACCAC	Feature	Value
Width 20 mm Standard nominal flow rate 870 l/min Pneumatic working port 1/4 NPT Operating pressure 0.35 MPa1 MPa 3.5 bar10 bar Structural design Plate seat Nominal width 6 mm Exhaust air function With flow control option Application note Operate by hand only Sealing principle Soft Any Manual override Detenting Pilot-controlled Pilot group of the property of the pressure MPa 0.35 MPa1 MPa 1.55 MPa	Valve function	3/2, bistable
Standard nominal flow rate Pneumatic working port 1/4 NPT Operating pressure 0.35 MPa1 MPa 3.5 bar10 bar Structural design Plate seat Nominal width 6 mm Exhaust air function With flow control option Application note Operate by hand only Sealing principle Soft Mounting position Any Manual override Detenting Type of control Pilot air supply port Internal Flow direction Reversible Lap Zero overlap Pilot pressure MPa Pilot pressure J. 55 bar10 bar Pilot pressure psi Max. switching frequency Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone	Actuation type	Manual
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Operating pressure 0.35 MPa1 MPa 3.5 bar10 bar Structural design Plate seat Nominal width 6 mm Exhaust air function With flow control option Application note Operate by hand only Sealing principle Soft Mounting position Any Manual override Detenting Tipe of control Pilot-controlled Pilot air supply port Internal Flow direction Reversible Lap Zero overlap Pilot pressure MPa O.35 MPa1 MPa 3.5 bar10 bar Pilot pressure So.75 psi145 psi Max. switching frequency Cyberating and protection Zone 2 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Zone 22 (ATEX) Compressating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 · Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Standard nominal flow rate	870 l/min
Structural design Plate seat Nominal width 6 mm Exhaust air function Application note Operate by hand only Sealing principle Mounting position Any Manual override Detenting Type of control Pilot-controlled Pilot air supply port Internal Flow direction Lap Pilot pressure MPa Pilot pressure MPa Pilot pressure psi Max. switching frequency Explosion prevention and protection Explosion prevention and protection Operating medium Compressed air as per ISO 8573-1:2010 [7::-] Information on operating and pilot media Operationed in the material of Compressed Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium	Pneumatic working port	1/4 NPT
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Zero overlap Pilot pressure MPa 0.35 MPa1 MPa 3.5 bar10 bar Pilot pressure psi 50.75 psi145 psi Max. switching frequency 0.5 Hz Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Pilot air supply port	Internal
Pilot pressure MPa 0.35 MPa1 MPa 3.5 bar10 bar Pilot pressure psi 50.75 psi145 psi Max. switching frequency Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Flow direction	Reversible
Pilot pressure Pilot pressure psi So.75 psi145 psi Max. switching frequency O.5 Hz Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Lap	Zero overlap
Pilot pressure psi Max. switching frequency D.5 Hz Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Pilot pressure MPa	0.35 MPa1 MPa
Max. switching frequency Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Pilot pressure	3.5 bar10 bar
Explosion prevention and protection Zone 1 (ATEX) Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Pilot pressure psi	50.75 psi145 psi
Zone 2 (ATEX) Zone 21 (ATEX) Zone 22 (ATEX) Operating medium Compressed air as per ISO 8573-1:2010 [7:-:-] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature of medium -10 °C60 °C	Max. switching frequency	0.5 Hz
Information on operating and pilot media Operation with oil lubrication possible (required for further use) 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Temperature 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

Feature	Value
Actuating force	20 N
Release force	25 N
Product weight	161 g
Type of mounting	Optionally: Front panel mounting With through-hole
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Note on materials	RoHS-compliant
Cover material	PA-reinforced
Seals material	NBR
Housing material	Wrought aluminum alloy, anodized