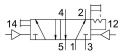
## Pneumatic valve JH-5-1/4-NPT Part number: 10879



## **Data sheet**

Actuation typePneumaticWidth30.5 mmStandard nominal flow rate1100 I/minPneumatic working port1/4 NPTOperating pressure0 MPa0.8 MPa 0 bar8 barOperating pressure0 MPa0.8 MPa 0 bar8 barStructural designPlate seatDegree of protectionIP65Nominal width7 mmWidth dimension32 mmStaust air functionWith flow control optionStaust air functionSoftWouting positionAnyFype of controlDirectPilot air supply portExternalStaw Suitching frequencyDirectPilot pressure0.12 MPa1 MPaPilot pressure1.2 bar10 barMax. switching frequency1 2 HzChangeover time7 msOperation no operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 -Low corrosion stressABS (PWIS) conformityVDMA2436452-LStorage temperature20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Feature	Value
Virth   30.5 mm     Standard nominal flow rate   1100 l/min     Pneumatic working port   1/4 NPT     Operating pressure   0 MPa0.8 MPa     Obsr6 Bar   0 hPa0.8 MPa     Operating pressure   0 MPa0.8 MPa     Ostar6 bar   Plate seat     Degree of protection   IP65     Vominal width   7 mm     Width dimension   32 mm     Stabust air function   With flow control option     Sealing principle   Soft     Wounting position   Any     Vippe of control   Direct     Pilot air supply port   External     Tow direction   0.12 MPa1 MPa     Pilot pressure MPa   0.12 MPa1 MPa     Pilot pressure	Valve function	5/2, bistable
Standard nominal flow rate100 l/minPneumatic working port1/4 NPTOperating pressure0 MPa0.8 MPa o bar8 barDegree of protectionPlate seatDegree of protectionP65Nominal width7 mmWidth dimension32 mmSchaust air functionWith flow control optionSealing principleSoftMounting positionAnyYippe of controlDirectPilot air supply portExternalFlow direction0.12 MPa1 MPaPilot pressure MPa0.12 MPa1 MPaPilot pressure MPa7 msOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Operating medium0 Operation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot menture-10 °C60 °C	Actuation type	Pneumatic
Deneumatic working port     1/4 NPT       Operating pressure     0 MPa0.8 MPa 0 bar8 bar       Operating pressure     0 MPa0.8 MPa 0 bar8 bar       Structural design     Plate seat       Degree of protection     IP65       Nominal width     7 mm       Midth dimension     32 mm       Exhaust air function     With flow control option       Statust air function     Off       Mounting position     Any       Ype of control     Direct       Plot air supply port     External       Tow direction     Non-reversible       Jap     Underlap       Plot pressure MPa     0.12 MPa1 MPa       Plot pressure fume     7 ms       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)       Corrosion resistance class (CRC)     1 - low corrosion stress       ABS (PWIS) conformity     VDMA24364-B2-L       Storage temperature     -20 °C60 °C       Pilot medium     -10 °C60 °C	Width	30.5 mm
Operating pressureO MPa0.8 MPa O bar8 barStructural designPlate seatDegree of protectionIP65Nominal width7 mmWidth dimension32 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyYppe of controlDirectPilot aris usply portExternalStok directionNon-reversibleapUnderlapPilot pressure MPa0.12 MPa1 MPaPlot pressure filme7 msOperating 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)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Standard nominal flow rate	1100 l/min
DefendenceO bar8 barStructural designPlate seatDegree of protectionIP65Nominal width7 mmWidth dimension32 mmExhaust air functionWith flow control optionSealing principleSoftWounting positionAnyYppe of controlDirectPlot air supply portExternal"low directionNon-reversible.apUnderlapPlot pressure1.2 bar10 barPlot pressure1.2 bar10 barAxa. switching frequency12 HzChangeover time7 msOperation mediam operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressAbs (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPlot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Pneumatic working port	1/4 NPT
Degree of protectionIP65Nominal width7 mmWidth dimension32 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyYppe of controlDirectPilot air supply portExternalRow directionNon-reversible.apUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure MPa7 msOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Changeover time7 msCorrosion resistance class (CRC)1 - low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Operating pressure	
Nominal width7 mmWidth dimension32 mmWidth dimension32 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyYpe of controlDirectPilot air supply portExternalClow directionNon-reversible.apUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure MPa1.2 bar10 barMax, switching frequency12 HzChangeover time7 msOperating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Structural design	Plate seat
With dimension32 mmExhaust air functionWith flow control optionSealing principleSoftMounting positionAnyType of controlDirectPilot air supply portExternalClow directionNon-reversible.apUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure MPa1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressAAS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Degree of protection	IP65
Zkalaust air functionWith flow control optionSealing principleSoftWounting positionAnyType of controlDirectPilot air supply portExternalClow directionNon-reversible.apUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Nominal width	7 mm
Sealing principleSoftMounting positionAnyType of controlDirectPilot air supply portExternalFlow directionNon-reversibleLapUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure MPa1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot medium-10 °C60 °CPilot medium-10 °C60 °C	Width dimension	32 mm
Mounting positionAnyType of controlDirectPilot air supply portExternalPilot air supply portNon-reversible.apUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure MPa1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Exhaust air function	With flow control option
Type of controlDirectPilot air supply portExternalPilot air supply portExternalPilot air supply portNon-reversibleapUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Carrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Sealing principle	Soft
And Pilot air supply portExternalPilot air supply portExternalSlow directionNon-reversibleLapUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Mounting position	Any
Flow directionNon-reversible.apUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CFemperature of mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Type of control	Direct
And endotionHinterbolicLapUnderlapPilot pressure MPa0.12 MPa1 MPaPilot pressure1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CFemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]	Pilot air supply port	External
Pilot pressure MPa0.12 MPa1 MPaOilot pressure1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CTemperature of medium-10 °C60 °CPilot medium-10 °C60 °C	Flow direction	Non-reversible
Pilot pressure1.2 bar10 barMax. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CFemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Lap	Underlap
Max. switching frequency12 HzChangeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010[7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressCABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CTemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Pilot pressure MPa	0.12 MPa1 MPa
Changeover time7 msOperating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CTemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Pilot pressure	1.2 bar10 bar
Operating mediumCompressed air as per ISO 8573-1:2010 [7:4:4]nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CTemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Max. switching frequency	12 Hz
nformation on operating and pilot mediaOperation with oil lubrication possible (required for further use)Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CTemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010[7:4:4]Ambient temperature-10 °C60 °C	Changeover time	7 ms
Corrosion resistance class (CRC)1 - Low corrosion stressLABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CTemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformityVDMA24364-B2-LStorage temperature-20 °C60 °CTemperature of medium-10 °C60 °CPilot mediumCompressed air as per ISO 8573-1:2010 [7:4:4]Ambient temperature-10 °C60 °C	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Storage temperature   -20 °C60 °C     remperature of medium   -10 °C60 °C     Pilot medium   Compressed air as per ISO 8573-1:2010 [7:4:4]     Ambient temperature   -10 °C60 °C	Corrosion resistance class (CRC)	1 - Low corrosion stress
Femperature of medium   -10 °C60 °C     Pilot medium   Compressed air as per ISO 8573-1:2010 [7:4:4]     Ambient temperature   -10 °C60 °C	LABS (PWIS) conformity	VDMA24364-B2-L
Pilot medium Compressed air as per ISO 8573-1:2010 [7:4:4]   Ambient temperature -10 °C60 °C	Storage temperature	-20 °C60 °C
Ambient temperature -10 °C60 °C	Temperature of medium	-10 °C60 °C
	Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Product weight 330 g	Ambient temperature	-10 °C60 °C
	Product weight	330 g

## FESTO



Feature	Value
Type of mounting	On terminal strip With through-hole Optionally:
Pilot air port 12	1/8 NPT
Pilot air port 14	1/8 NPT
Pneumatic connection 1	1/4 NPT
Pneumatic connection 2	1/4 NPT
Pneumatic connection 3	1/4 NPT
Pneumatic connection 4	1/4 NPT
Pneumatic connection 5	1/4 NPT
Note on materials	RoHS-compliant
Seals material	NBR TPE-U(PU)
Housing material	Die-cast aluminum