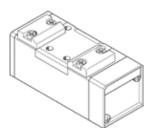
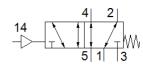
## pneumatic valve VL-5/2-D-1-FR-C Part number: 151014

5/2-way function, pneumatically actuated, with spring return





**FESTO** 

## Data sheet

60068-2-27Medium temperature-10 60 °CSound pressure level85 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010[7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Feature	Value
Width   42 mm     Standard nominal flow rate   1,200 l/min     Operating pressure   -0.916 har     Design structure   Piston slide     Type of reset   mechanical spring     Authorization   UL. Recognized (01)     Maritime classification   see certificate     Nominal size   8 mm     Grid dimension   43 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Fliot pressure   3 16 bar     Switching time off   23 ms     Switching time off   23 ms     Switching time off   23 ms     Switching time off   40 art     Operating medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Note on operating and pilot medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Note on operating	Valve function	5/2 monostable
Standard nominal flow rate   1,200 l/min     Operating pressure   -0.916 bar     Design structure   Pitoton slide     Type of reset   mechanical spring     Authorisation   UL: Recognized (01)     Martime classification   See certificate     Nominal size   8 mm     Grid dimension   43 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overtap   Positive overlap     Pilot pressure   316 bar     Switching time off   23 ms     Switching time off   23 ms     Switching time on   6 ms     Operating medium   Compressed air in accordance with FN 942017-5 and EN 60068-2-6     Shock resistance   Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-6     Shock resistance   Shock resistan is accordance with FN 942017-5 and EN 60068-2-6     Shock resistanc	Type of actuation	pneumatic
Operating pressure     0.916 bar       Design structure     Piston slide       Type of reset     mechanical spring       Authorisation     UL - Recognized (0L)       Martime classification     see errificate       Nominal size     8 mm       Grid dimension     43 mm       Exhaust-air function     throutleable       Sealing principle     soft       Assembly position     Any       Conforms to standard     ISO 5599-1       Manual override     None       ISO code     104       Type of piloting     direct       Flow direction     reversible       Overlap     Positive overlap       Plot pressure     316 bar       Switching time off     23 ms       South creasistance     Shock tes	Width	42 mm
Design structure     Piston slide       Type of reset     mechanical spring       Authorisation     UL. Recognized (0L)       Maritime classification     see certificate       Nominal size     8 mm       Grid dimension     43 mm       Exhaust-air function     throttleable       Sealing principle     Soft       Assembly position     Any       Conforms to standard     ISO 559-1       Manual override     None       ISO code     104       Type of piloing     direct       Flow direction     reversible       Overlap     Positive overlap       Pilot pressure     3 16 bar       Switching time off     23 ms       Switching time on     6 ms       Operating medium     Compressed air in accordance with FN 942017-54.41       Note on operating and pilot medium     Ubricated operation possible (subsequently required for further operation)       Vibration resistance     Transport application test at seventy level 1 in accordance with FN 942017-5 and EN 60068-2-6       Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6       Shout tespistanc <t< td=""><td>Standard nominal flow rate</td><td>1,200 l/min</td></t<>	Standard nominal flow rate	1,200 l/min
Design structure     Pieton slide       Type of reset     mechanical spring       Authorisation     UL. Recognized (0L)       Maritime classification     See certificate       Nominal size     8 mm       Grid dimension     43 mm       Exhaust-air function     throttleable       Seading principle     soft       Assembly position     Any       Conforms to standard     ISO 559-1       Manual override     None       ISO code     104       Type of ploting     direct       Flow direction     reversible       Overlap     Positive overlap       Plot pressure     3 16 bar       Switching time off     23 ms       Switching time off     23 ms       Operating medium     Compressed air in accordance with FN 942017-5 and EN 6068-2-6       Shock resistance     Shock test with severity level 1 in accordance with FN 942017-5 and EN 6068-2-6       Shock resistance     Shock test with severity level 2 in accordance with FN 942017-5 and EN 6068-2-6       Shock resistance     Shock test with severity level 2 in accordance with FN 942017-5 and EN 6068-2-6       Shock test with s	Operating pressure	-0.9 16 bar
Authorisation   UL - Recognized (0L)     Maritime classification   see certificate     Nominal size   8 mm     Grid dimension   43 mm     Exhaust air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to stadard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time on   6 ms     Operating medium   Compressed air in accordance with ISOB573-1:2010 [7:4:4]     Note on operating and pilot medium   peration)     Vibration resistance   Transport application test at severity level 1 in accordance with FN 942017-5 and EN 6068-2-6     Shock test with severity level 2 in accordance with FN 942017-5 and EN 6068-2-327     Medium temperature   -1060 °C     Sound pressure level   85 dB(A)     Pilot air port 12   Connection plate size 1 as per ISO 5599-1     Pilot air port 12   Connection plate size 1		Piston slide
Martime classification   see certificate     Nominal size   8 mm     Grid dimension   43 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   ISO 559-1     Marual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time off   23 ms     Switching time on   6 ms     Operating medium   Compressed air in accordance with ISO8573-11:2010 [7:4:4]     Note on operating and pilot medium   Compressed air in accordance with FN 942017-5 and EN 60068-2:6     Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2:6     Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2:7     Medium temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot riport 12   Connection plate size 1 as per ISO 5599-1     Product weight   290 g	Type of reset	mechanical spring
Nominal size   8 mm     Grid dimension   43 mm     Exhaust-sir function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Plot pressure   3 16 bar     Switching time on   6 ms     Operating medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Note on operating and pilot medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Note on operating and pilot medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Note on operating and pilot medium   Compressed air in accordance with FN 942017-5 and EN 60068-2-6     Shock resistance   Shock test with severity level 1 in accordance with FN 942017-5 and EN 60068-2-72     Medium temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot regist   290 g     Mounting type   On sub-base     with through hole   Pilot air port 12	Authorisation	UL - Recognized (OL)
Grid dimension   43 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time off   23 ms     Switching time off   23 ms     Switching time on   6 ms     Operating medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Note on operating and pilot medium   Compressed air in accordance with FN 942017-5 and EN 60068-2:6     Shock resistance   Shock rest with severity level 1 in accordance with FN 942017-5 and EN 60068-2:7     Medium temperature   10 60 °C     Soud pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Ambient temperature   10 60 °C     Soud pressure level   85 dB(A)     Pilot medium   Compressed air in accordance wit	Maritime classification	see certificate
Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time on   6 ms     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)     Vibration resistance   Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-6     Shock resistance   Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot air port 12   Connection plate size 1 as per ISO 5599-1     Product weight   290 g     <	Nominal size	8 mm
Sealing principle   soft     Assembly position   Any     Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time on   6 ms     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)     Vibration resistance   Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2:6     Shock resistance   Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2:7     Medium temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C	Grid dimension	43 mm
Assembly position   Any     Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time on   6 ms     Operating medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Note on operating and pilot medium   ubricated operation possible (subsequently required for further operation)     Vibration resistance   Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-6     Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7     Medium temperature   10 60 °C     Sound pressure level   85 dB(A)     Pilot redum   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   10 60 °C     Product weight   290 g     Mounting type   On sub-base     with through hole   with through hole     Pilot air port 12   Connection plate size 1 as per IS0 5599-1     Pneumatic connection, port	Exhaust-air function	throttleable
Conforms to standard   ISO 5599-1     Manual override   None     ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time on   6 ms     Operating medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Note on operating and pilot medium   Cubricated operation possible (subsequently required for further operation)     Vibration resistance   Transport application test at severity level 1 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 EN 60068-2-2     Medium temperature   10 60 °C     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with ISO8573-1:2010 [7:4:4]     Ambient temperature   10 60 °C     Product weight   290 g     Mounting type   On sub-base     with through hole   Pilot ari port 14     Connection plate size 1 as per ISO 5599-1   Pneumatic connection, port 1     Pneumatic connection, port 3   Connect	Sealing principle	soft
Manual override     None       ISO code     104       Type of piloting     direct       Flow direction     reversible       Overlap     Positive overlap       Pilot pressure     3 16 bar       Switching time off     23 ms       Switching time off     23 ms       Switching time on     6 ms       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)       Vibration resistance     Transport application test at severity level 1 in accordance with FN 942017-5 and EN 60068-2-6       Shock resistance     Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-26       Sound pressure level     85 dB(A)       Pilot megrature     -10 60 °C       Sound pressure level     85 dB(A)       Product weight     290 g       Mounting type     On sub-base       with through hole     Filot air port 12       Product weight     290 g       Product weight     290 g       Product weight     290 g       Product wei	Assembly position	Any
ISO code   104     Type of piloting   direct     Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Operating medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Note on operating and pilot medium   Lubricated operation possible (subsequently required for further operation)     Vibration resistance   Transport application test at severity level 1 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 EN 60068-2-6     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with FN 942017-5 and EN 60068-2-6     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with FN 942017-5 and EN 60068-2-6     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with FN 942017-5 and EN 60068-2-6     Sound pressure level   85 dB(A)     Pilot air persture   -10 60 °C     Product weight   290 g     Mounting type   On sub-base     with through hole   with through hole	Conforms to standard	ISO 5599-1
Type of plotingdirectFlow directionreversibleOverlapPositive overlapPlot pressure3 16 barSwitching time off23 msSwitching time on6 msOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Medium temperature-10 60 °CSound pressure level85 dB(A)Pito mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 12Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1 <t< td=""><td>Manual override</td><td>None</td></t<>	Manual override	None
Flow direction   reversible     Overlap   Positive overlap     Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time on   6 ms     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)     Vibration resistance   Transport application test at severity level 1 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 EN 60068-2-27     Medium temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C     Product weight   290 g     Mounting type   On sub-base     with through hole   Pilot air port 14     Proluct is port 12   Connection plate size 1 as per ISO 5599-1     Pneumatic connection, port 2   Connection plate si	ISO code	104
Overlap     Positive overlap       Pilot pressure     3 16 bar       Switching time off     23 ms       Switching time on     6 ms       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)       Vibration resistance     Shock resistance       Shock resistance     Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-6       Shock resistance     Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-77       Medium temperature     -10 60 °C       Sound pressure level     85 dB(A)       Pilot medium     Compressed air in accordance with IS08573-1:2010 [7:4:4]       Ambient temperature     -10 60 °C       Product weight     290 g       Mounting type     On sub-base       with through hole     with through hole       Pilot air port 12     Connection plate size 1 as per ISO 5599-1       Pneumatic connection, port 1     Connection plate size 1 as per ISO 5599-1       Pneumatic connection, port 3     Connection plate size 1 as per ISO 5599-1       Pneumatic connection, port 4     <	Type of piloting	direct
Pilot pressure   3 16 bar     Switching time off   23 ms     Switching time on   6 ms     Operating medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Note on operating and pilot medium   Lubricated operation possible (subsequently required for further operation)     Vibration resistance   Transport application test at severity level 1 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 EN 60068-2-6     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C     Soudd pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C     Product weight   290 g     Mounting type   On sub-base     with through hole   Pilot air port 12     Pilot air port 14   Connection plate size 1 as per IS0 5599-1     Pneumatic connection, port 3   Connection plate size 1 as per IS0 5599-1     Pneumatic connection, port 3   Connection plate size 1 as per IS0 5599-1     Pneumatic connection, port 4   Connection p		reversible
Switching time off   23 ms     Switching time on   6 ms     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)     Vibration resistance   Transport application test at severity level 1 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 EN 60068-2-77     Medium temperature   -10 60 °C     Sound pressure level   85 dB(A)     Pilot medium   Compressed air in accordance with IS08573-1:2010 [7:4:4]     Ambient temperature   -10 60 °C     Sound pressure level   85 dB(A)     Product weight   290 g     Mounting type   On sub-base     with through hole   Pilot air port 12     Pilot air port 12   Connection plate size 1 as per ISO 5599-1     Pilot air port 14   Connection plate size 1 as per ISO 5599-1     Pneumatic connection, port 3   Connection plate size 1 as per ISO 5599-1     Pneumatic connection, port 4   Connection plate size 1 as per ISO 5599-1     Pneumatic connection, port 5   Connection plate size 1 as per ISO 5599-1     Pneumatic connection, p	Overlap	Positive overlap
Switching time off23 msSwitching time on6 msOperating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Medium temperature-10 60 °CSound pressure level85 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 12Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Material sealsHNBR	Pilot pressure	3 16 bar
Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Medium temperature-10 60 °CSound pressure level85 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pineumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Meaterials noteConnection plate size 1 as per ISO 5599-1Meaterial sealsHNBR		23 ms
Operating mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Medium temperature-10 60 °CSound pressure level85 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pineumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Meaterials noteConnection plate size 1 as per ISO 5599-1Meaterial sealsHNBR	Switching time on	6 ms
Note on operating and pilot mediumLubricated operation possible (subsequently required for further operation)Vibration resistanceTransport application test at severity level 1 in accordance with FN 942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-7Medium temperature-10 60 °CSound pressure level85 dB(A)Pilot mediumCompressed air in accordance with IS08573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConnection plate size 1 as per ISO 5599-1Material sealsHNBR		Compressed air in accordance with ISO8573-1:2010 [7:4:4]
942017-4 and EN 60068-2-6Shock resistanceShock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27Medium temperature-10 60 °CSound pressure level85 dB(A)Pilot mediumCompressed air in accordance with IS08573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Meaterials noteConforms to ROHSMaterial sealsHNBR		Lubricated operation possible (subsequently required for further
60068-2-27Medium temperature-10 60 °CSound pressure level85 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010[7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Preumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Vibration resistance	
Sound pressure level85 dB(A)Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Shock resistance	Shock test with severity level 2 in accordance with FN 942017-5 and EN 60068-2-27
Pilot mediumCompressed air in accordance with ISO8573-1:2010 [7:4:4]Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to ROHSMaterial sealsHNBR	Medium temperature	-10 60 °C
Ambient temperature-10 60 °CProduct weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Sound pressure level	85 dB(A)
Product weight290 gMounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Pilot medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Mounting typeOn sub-base with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Ambient temperature	-10 60 °C
with through holePilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Product weight	290 g
Pilot air port 12Connection plate size 1 as per ISO 5599-1Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Mounting type	On sub-base
Pilot air port 14Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR		with through hole
Pneumatic connection, port 1Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Pilot air port 12	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Pilot air port 14	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 2Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 3Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR	Pneumatic connection, port 1	Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 4Connection plate size 1 as per ISO 5599-1Pneumatic connection, port 5Connection plate size 1 as per ISO 5599-1Materials noteConforms to RoHSMaterial sealsHNBR		Connection plate size 1 as per ISO 5599-1
Pneumatic connection, port 5 Connection plate size 1 as per ISO 5599-1   Materials note Conforms to RoHS   Material seals HNBR	Pneumatic connection, port 3	
Materials note Conforms to RoHS   Material seals HNBR	Pneumatic connection, port 4	Connection plate size 1 as per ISO 5599-1
Materials note Conforms to RoHS   Material seals HNBR	Pneumatic connection, port 5	Connection plate size 1 as per ISO 5599-1
Material seals HNBR		
ארועו	Material seals	HNBR NBR
Material housing Aluminium die cast	Material housing	