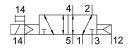
## Air solenoid valve MN1H-5/2-D-1-S-C Part number: 159686

**FESTO** 





## **Data sheet**

truation type   Electrical	Feature	Value
fidth 42 mm  tandard nominal flow rate  1200 l/min  neumatic working port  Sub-base, size 1 as per ISO 5599-1 G1/4  perating voltage  Via solenoid coil, to be ordered separately  perating pressure  -0.9 bar 16 bar  tructural design  Piston gate valve  seest method  Pneumatic spring  sartime classification  See certificate  egree of protection  IP65  minal width  8 mm  fidth dimension  43 mm  pre code  MN1H  chaust air function  saling principle  shaust air function  solid principle  soft  sounding position  Any  onforms to standard  iso 5599-1  anual override  Detenting via accessory  Non-detenting  lot code  164  pre of control  priot-controlled  lot air supply port  External  ow direction  pre your port  pre overlap  lot pressure  witching time off  32 ms  saw, positive test pulse with 0 signal  aix, positive test pulse with 0 signal  aix, negative test pulse on 1 signal  oil characteristics  See solenoid coil, to be ordered separately	Valve function	5/2, monostable
tandard nominal flow rate neumatic working port perating woltage perating woltage perating pressure perating pressure perating pressure perating pressure perating sest method pressure perating control protection protecti	Actuation type	Electrical
sub-base, size 1 as per ISO 5599-1 G1/4  Perating voltage Via solenoid coil, to be ordered separately  perating pressure -0.9 bar 16 bar  Piston gate valve  eset method Pneumatic spring  aritime classification See certificate  egree of protection IP65  ominial width 8 mm  fidth dimension 43 mm  pre code MN1H  chaust air function Bailing principle Soft  ounting position Any  conforms to standard ISO 5599-1  clanual override Detenting via accessory Non-detenting  oo code 164  pe of control Billot air supply port External  ow direction Reversible  ymbol Oo991301 Overlap Billot-persure 2 bar 10 bar  witching time 1 as No 150 signal aax, negative test pulse on 1 signal oil characteristics See solenoid coil, to be ordered separately	Width	42 mm
G1/4 perating voltage Via solenoid coil, to be ordered separately perating pressure -0.9 bar 16 bar ructural design Piston gate valve eset method Pneumatic spring aritime classification See certificate egree of protection IP65 minal width 8 mm fidth dimension 43 mm Amagement of the word of	Standard nominal flow rate	1200 l/min
perating pressure -0.9 bar 16 bar tructural design Piston gate valve eset method Pneumatic spring aritime classification See certificate egree of protection Pie6 ominal width Rith dimension Any pre code MN1H whaust air function Bealing principle Soft sounting position Any onforms to standard So 5599-1 Soundard So Code So Code So Code So Code So Code So Cotrol Biotaria supply port External Sow direction Reversible Sombol So 100991301 Sop	Pneumatic working port	
retructural design Piston gate valve Peset method Pneumatic spring Piston gate valve Peset method Pneumatic spring Piston gate valve Pneumatic spring Partitime classification Person Protection Ple6 Pneumatic spring Ple6	Operating voltage	Via solenoid coil, to be ordered separately
sest method Pneumatic spring laritime classification See certificate legree of protection IP65 ominal width 8 mm fidth dimension 43 mm ppe code MN1H whatsi air function With flow control option lealing principle Soft ounting position Any onforms to standard ISO 5599-1 lanual override Detenting via accessory Non-detenting Ocode 164 pripe of control Pilot-controlled liot air supply port External ow direction Reversible ymbol O991301 app liot pressure 2 bar 10 bar witching time off 32 ms is supply in the signal are soil on the signal are soil on the signal are soil on the signal are soil only in the soil of the accessor of the soil of the signal are soil on the signal are soil of the soil of the soil of the soil of the signal are positive test pulse with 0 signal are negative test pulse with 0 signal are soil of the soil	Operating pressure	-0.9 bar 16 bar
laritime classification  See certificate egree of protection  IP65  IP65  IP65  IP65  IP65  IP65  IP65  IP66  IP66  IP67  IP67  IP68  IP68	Structural design	Piston gate valve
egree of protection IP65  ominal width 8 mm  fidth dimension 43 mm  per code MN1H  what at ir function With flow control option  ealing principle Soft  ounting position Any  onforms to standard ISO 5599-1  annual override Detenting via accessory  Non-detenting  for code I64  per of control Pilot-controlled  lict air supply port External  ow direction Reversible  ymbol 00991301  app Overlap  lict pressure 2 bar 10 bar  witching time off 32 ms  n switching time off 32 ms  lax. positive test pulse with 0 signal  ax. negative test pulse on 1 signal  old characteristics See solenoid coil, to be ordered separately	Reset method	Pneumatic spring
ominal width  fidth dimension  fidth dimension  fidth dimension  fidth dimension  fidth dimension  fide code  fidth dimension  fide code  fide code  fide control option  find override  fide control  fide a	Maritime classification	See certificate
fidth dimension  Aype code  MN1H  khaust air function  With flow control option  sealing principle  Soft  sounting position  Any  onforms to standard  ISO 5599-1  sanual override  Detenting via accessory Non-detenting  Oc code  164  Aype of control  Pilot-controlled  sitot air supply port  External  ow direction  Reversible  ymbol  30 0991301  31 pp  Overlap  sitot pressure  2 bar 10 bar  witching time off  32 ms  1 switching time  23 ms  1 switching time  3700 μs  lax. negative test pulse with 0 signal  1 signal  4600 μs  See solenoid coil, to be ordered separately	Degree of protection	IP65
MN1H  khaust air function  with flow control option  Soft  lounting position  Any  onforms to standard  lanual override  Detenting via accessory Non-detenting  Ocode  164  yee of control  rilot air supply port  with flow control led  group of control  apply  ow direction  Reversible  ymbol  opply  overlap  cliot pressure  ito the pressure  witching time off  n switching time  132 ms  n switching time  13700 µs  lax. negative test pulse with 0 signal  lax. negative test pulse on 1 signal  oil characteristics  See solenoid coil, to be ordered separately	Nominal width	8 mm
With flow control option  ealing principle  Soft  founting position  Any  ISO 5599-1  Identify to standard  ISO 5599-1  Identify to accessory  Non-detenting  For control  For	Width dimension	43 mm
sealing principle Soft  Jounting position Any Defenting via accessory Non-detenting Cocde Jeanual override Pilot-controlled Soft  Journal override Soft  Journal	Type code	MN1H
Iso 5599-1 Isonal override Iso	Exhaust air function	With flow control option
ISO 5599-1  Detenting via accessory Non-detenting  O code  164  /pe of control  Idit air supply port  External  ow direction  Reversible  /problem  Overlap  Idit pressure  Witching time off  In switching time  In switching time  In switching time  Iso 5599-1  Detenting via accessory Non-detenting  Pilot-controlled  External  Overlap  Overlap  2 bar 10 bar  32 ms  In switching time  23 ms  In switching time  23 ms  In switching time  3700 µs  In sequence of the ordered separately  Iso ordered separately	Sealing principle	Soft
Detenting via accessory Non-detenting  164  Ippe of control Pilot-controlled  Identify supply port External Ow direction Reversible Operator Overlap Identify supply Identify	Mounting position	Any
Non-detenting  164  179e of control  181ot air supply port  181ot air supply port  182 External  183 Overlap  184 Overlap  185 Overlap  186 Idot pressure  186 Idot pressure  187 Idot pressure  188 Idot pressure  188 Idot pressure  188 Idot pressure  189 Idot pressure  180 Idot p	Conforms to standard	ISO 5599-1
Pilot-controlled  Pilot-controlled  External  Ow direction  Reversible  ymbol  Overlap  Ilot pressure  2 bar 10 bar  witching time off  1 symbol  ax. positive test pulse with 0 signal  lax. negative test pulse on 1 signal  overlap  2 do μs  4600 μs  See solenoid coil, to be ordered separately	Manual override	
illot air supply port  is External  ow direction  Reversible  ymbol  Overlap  illot pressure  2 bar 10 bar  witching time off  32 ms  1ax. positive test pulse with 0 signal  lax. negative test pulse on 1 signal  ow direction  Reversible  Overlap  2 bar 10 bar  32 ms  3700 µs  4600 µs  See solenoid coil, to be ordered separately	ISO code	164
Reversible  ymbol  ap  Overlap  Ilot pressure  witching time off  as yms  lax. positive test pulse with 0 signal  lax. negative test pulse on 1 signal  overlap  2 bar 10 bar  32 ms  3700 µs  4600 µs  oil characteristics  See solenoid coil, to be ordered separately	Type of control	Pilot-controlled
ymbol 00991301  ap Overlap  ilot pressure 2 bar 10 bar  witching time off 32 ms  n switching time 23 ms  lax. positive test pulse with 0 signal 3700 µs  lax. negative test pulse on 1 signal 4600 µs  oil characteristics See solenoid coil, to be ordered separately	Pilot air supply port	External
Overlap  Overlap  Overlap  2 bar 10 bar  witching time off 32 ms  n switching time 23 ms  lax. positive test pulse with 0 signal 3700 µs  lax. negative test pulse on 1 signal 4600 µs  oil characteristics See solenoid coil, to be ordered separately	Flow direction	Reversible
allot pressure     2 bar 10 bar       witching time off     32 ms       n switching time     23 ms       lax. positive test pulse with 0 signal     3700 μs       lax. negative test pulse on 1 signal     4600 μs       poil characteristics     See solenoid coil, to be ordered separately	Symbol	00991301
witching time off 32 ms  n switching time 23 ms  lax. positive test pulse with 0 signal 3700 µs  lax. negative test pulse on 1 signal 4600 µs  oil characteristics See solenoid coil, to be ordered separately	Lap	Overlap
n switching time 23 ms  lax. positive test pulse with 0 signal 3700 μs  lax. negative test pulse on 1 signal 4600 μs  oil characteristics See solenoid coil, to be ordered separately	Pilot pressure	2 bar 10 bar
lax. positive test pulse with 0 signal  3700 μs  4600 μs  oil characteristics  See solenoid coil, to be ordered separately	Switching time off	32 ms
iax. negative test pulse on 1 signal 4600 μs oil characteristics See solenoid coil, to be ordered separately	On switching time	23 ms
oil characteristics See solenoid coil, to be ordered separately	Max. positive test pulse with 0 signal	3700 μs
	Max. negative test pulse on 1 signal	4600 μs
perating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Coil characteristics	See solenoid coil, to be ordered separately
	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
formation on operating and pilot media Operation with oil lubrication possible (required for further use)	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)

Feature	Value
Vibration resistance	Transport application test with severity level 1 as per FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 as per FN 942017-5 and EN 60068-2-27
Temperature of medium	-5 °C 50 °C
Noise level	85 dB(A)
Pilot medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 °C 50 °C
Product weight	450 g
Electrical connection	Via N1 coil, to be ordered separately
Type of mounting	On sub-base With through-hole
Pilot air port 12	Sub-base, size 1 as per ISO 5599-1
Pilot air port 14	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 1	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 2	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 3	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 4	Sub-base, size 1 as per ISO 5599-1
Pneumatic connection 5	Sub-base, size 1 as per ISO 5599-1
Note on materials	RoHS-compliant
Seals material	HNBR NBR
Housing material	Die-cast aluminum