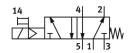
Solenoid valve MN1H-5/2-D-1-FR-C Part number: 159687

FESTO





General operating condition

Approval Particular (Secretificate issuing authority Page of protection Page of protectio	le . c	Male:	
ype of actuation Construction width Construction Construction Width Construction Constructio	Feature	Value	
Lonstruction width 42 mm Standard nominal flow rate (standardised to DIN 1343) 1200 l/min Standard nominal flow rate (standardised to DIN 1343) 1200 l/min Sub-base size 1 to ISO 5599-1 G1/4 Operating voltage Via solenoid coil, must be ordered separately Operating pressure 0.3 MPa 1 MPa Operating pressure 3 bar 1 0 bar Operating pressure 9.3 bar 1 0 bar Operating pressure 9.4 Mechanical spring Operating of the set 4 Mechanical spring Operating authority 9.5 cc certificate Operating authority 9.5 cc certificate Operating authority 9.5 cc certificate Only TAAA000032X Operating protection IP65 Nominal size 8 mm Srid dimension 43 mm Schaust-air function With flow control option Sealing principle 9.5 oft Outling position 0.5 optional Conforms to standard ISO 5599-1 Manual override Non-deenting 9.5 oc ode 152 Operating yellot air supply Internal 1.5 overlap 1.5 ms. Solicow direction Non-reversible 0.0991003 app 0.0991003 Aux. positive test pulse with 0 signal 4600 µs Characteristic coil data 5.5 sepond coil, to be ordered separately			
Standard nominal flow rate (standardised to DIN 1343) December of Sub-base size 1 to ISO 5599-1 G1/4 Deparating voltage Us asolenoid coil, must be ordered separately Deparating pressure O.3 MPa 1 MPa Deparating pressure O.3 MPa 1 MPa Deparating pressure Design Piston gate valve Rype of reset Mechanical spring Maritime classification See certificate Certificate issuing authority DNV-TAA000032X Degree of protection IPO5 Soft dimension Schaust-air function Sealing principle Soft Mounting position Optional Journal override Manual override Manual override Detenting via accessory Non-detenting Pilot actuated Pilot actuated Pilot actuated Pilot actuated Symbol Journal size Non-reversible Symbol Journal of Manual overlide Symbol Journal overlide Journal	7.	Electric	
Sub-base size 1 to ISO 5599-1 G1/4 Operating voltage Via solenoid coil, must be ordered separately Operating pressure O.3 MPa 1 MPa Operating pressure Operating via run operative Operating pressure Operating pressure Operating pressure Operating pressure Operating via	Construction width	42 mm	
G1/4 Via solenoid coil, must be ordered separately Deprating pressure Operating pressure Operating pressure Operating pressure Piston gate valve Sype of reset Approval Approval Approval Certificate issuing authority DNV-TAA000032X Degree of protection Nominal size Sir di dimension A3 mm Chaust-air function With flow control option Sealing principle Soft Mounting position Optional Conforms to standard Manual override Detenting via accessory Non-detenting SO code 152 (Piot actuated Pilot actuated Pilot acir supply Internal Non-reversible Symbol Operating time on Max. positive test pulse with 0 signal Max. positive test pulse with 1 signal Max. pegative test pulse with 1 signal	Standard nominal flow rate (standardised to DIN 1343)	1200 l/min	
Operating pressure Operating operation Operating operation Operating operation Operating operation Operating operation	pneumatic working port		
Derating pressure Design Piston gate valve Piston gate valve Mechanical spring Cult us - Recognized (OL) Maritime classification See certificate Deligned protection DNV-TAA000032X Degree of protection Nominal size Sirid dimension Exhaust-air function With flow control option Sealing principle Mounting position Detenting via accessory Mon-detenting SO code 152 Flye of piloting Pilot actuated Pilot air supply Internal Develap Solved in the most open open open open open open open open	Operating voltage	Via solenoid coil, must be ordered separately	
Piston gate valve (Approval Mechanical spring Approval CUL us - Recognized (OL) Maritime classification See certificate Certificate issuing authority DNV-TAA000032X Degree of protection Nominal size 8 mm Sealing principle Soft Mounting position Conforms to standard Manual override Detenting via accessory Non-detenting SO code 152 (Approval) Filot actuated Pilot actuated Pilot air supply Internal Soymbol Ooyen of protection Non-reversible Soymbol Ooyen of Soymbol Soymbol Ooyen of Soymbol Soymbol Sowitching time off Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data See solenoid coil, to be ordered separately	Operating pressure	0.3 MPa 1 MPa	
Approval CUL us - Recognized (OL) Maritime classification See certificate DNV-TAA000032X Degree of protection IP65 Nominal size 8 mm Strid dimension 43 mm Exhaust-air function With flow control option Sealing principle Soft Soft Soft Soft Soft Soft Soft Soft	Operating pressure	3 bar 10 bar	
Approval C UL us - Recognized (OL) Maritime classification See certificate Detrificate issuing authority DNV-TAA000032X Degree of protection IP65 Nominal size 8 mm Scrid dimension 43 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard ISO 5599-1 Manual override Detenting via accessory Non-detenting SO code 152 Gype of piloting Pilot actuated Pilot air supply Internal Conforms to standard Non-reversible Soymbol 00991003 Sap Switching time off 39 ms Max. positive test pulse with 0 signal Acx. negative test pulse with 1 signal 4600 µs Characteristic coil data Detertificate DNV-TAA000032X DNV-TAA000003X DNV-TAA0000003X DNV-TAA00000000000000000000000000000000000	Design	Piston gate valve	
Maritime classification See certificate Certificate issuing authority DNV-TAA000032X Degree of protection IP65 Nominal size 8 mm Sealing principle With flow control option Sealing principle Mounting position Conforms to standard Manual override Manual override So code Type of piloting Pilot actuated Pilot air supply Internal Sow direction Non-reversible Symbol Overlap Switching time off 39 ms Switching time on Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data See ertificate DNV-TAA000032X BonV-TAA000032X BonW-TAA000032X BonW-TAA0000032X BonW-TAA000032X BonW-TAA0000032X BonW-TAA0000032X BonW-TAA0000032X BonW-TAA0000032 BonW-TAA000003 BonW-TAA00003 BonW-TAA0	Type of reset	Mechanical spring	
Degree of protection IP65 Nominal size 8 mm Sid dimension 43 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position optional Conforms to standard ISO 5599-1 Manual override Detenting via accessory Non-detenting SO code Flot air supply Internal Flow direction Non-reversible Symbol 00991003 Supplied 0991003 Supp	Approval	c UL us - Recognized (OL)	
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Sominal size Sirid dimension 43 mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard ISO 5599-1 Manual override Manual override Manual override Manual override Detenting via accessory Non-detenting SO code 152 Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol Overlap Switching time off 39 ms Switching time off 39 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data See solenoid coil, to be ordered separately	Certificate issuing authority	DNV-TAA000032X	
As mm Exhaust-air function With flow control option Sealing principle Soft Mounting position Conforms to standard Society Soft Manual override Manual override Society	Degree of protection	IP65	
With flow control option Sealing principle Mounting position Conforms to standard Manual override Mounting politing SO code 152 Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol ap Overlap Switching time off Switching time on Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data With flow control option With flow control option With flow control option Soft Soft With flow control option Soft Soft Soft Annual override Soft Annual override Soft	Nominal size	8 mm	
Sealing principle Mounting position Conforms to standard Manual override Manual override SO code 152 Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol Overlap Switching time off Switching time on Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data See solenoid coil, to be ordered separately	Grid dimension	43 mm	
Mounting position Conforms to standard ISO 5599-1 Manual override Manual override Detenting via accessory Non-detenting SO code I52 Type of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol Overlap Switching time off 39 ms Switching time on I7 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data See solenoid coil, to be ordered separately	Exhaust-air function	With flow control option	
ISO 5599-1 Manual override Detenting via accessory Non-detenting SO code 152 Type of piloting Pilot actuated Pilot actuated Pilot actuated Non-reversible Symbol Overlap Switching time off Switching time on 17 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data ISO 5599-1 Detenting via accessory Non-detenting Pilot actuated Detenting via accessory Non-detenting via accessory Non-detention via accessory Non-detention v	Sealing principle	Soft	
Manual override Detenting via accessory Non-detenting SO code 152 Type of piloting Pilot actuated Pilot actuated Pilot air supply Internal Non-reversible Symbol Overlap Switching time off Switching time on 17 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Detenting via accessory Non-detenting Pilot actuated Overlap Non-reversible Overlap 39 ms 17 ms Max. positive test pulse with 0 signal 4600 µs Characteristic coil data See solenoid coil, to be ordered separately	Mounting position	optional	
Non-detenting SO code 152 Type of piloting Pilot actuated Pilot actuated Pilot air supply Internal Flow direction Non-reversible Overlap Switching time off Switching time on 17 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Non-detenting Pilot actuated Non-reversible Non-reve	Conforms to standard	ISO 5599-1	
Figure of piloting Pilot actuated Pilot air supply Internal Flow direction Non-reversible Symbol O0991003 ap Overlap Switching time off 39 ms Switching time on 17 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Pilot actuated Non-reversible O0991003 Overlap 39 ms 4600 µs Characteristic coil data See solenoid coil, to be ordered separately	Manual override		
Pilot air supply Internal Non-reversible Ougsp1003 ap Overlap Switching time off Switching time on I7 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Internal Internal Non-reversible Ougsp1003 Overlap 39 ms I7 ms Switching time on I7 ms See solenoid coil, to be ordered separately	ISO code	152	
Flow direction Non-reversible 00991003 ap Overlap Switching time off 39 ms Switching time on 17 ms Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data Non-reversible Non-reve	Type of piloting	Pilot actuated	
Symbol 00991003 ap Overlap Switching time off 39 ms Switching time on 17 ms Max. positive test pulse with 0 signal 3700 µs Max. negative test pulse with 1 signal 4600 µs Characteristic coil data See solenoid coil, to be ordered separately	Pilot air supply	Internal	
operator Overlap Switching time off 39 ms Switching time on 17 ms Max. positive test pulse with 0 signal 3700 μs Max. negative test pulse with 1 signal 4600 μs Characteristic coil data See solenoid coil, to be ordered separately	Flow direction	Non-reversible	
Switching time off 39 ms Switching time on 17 ms Max. positive test pulse with 0 signal 3700 µs Max. negative test pulse with 1 signal 4600 µs Characteristic coil data See solenoid coil, to be ordered separately	Symbol	00991003	
Switching time on 17 ms Max. positive test pulse with 0 signal 3700 μs Max. negative test pulse with 1 signal 4600 μs Characteristic coil data See solenoid coil, to be ordered separately	lap	Overlap	
Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Characteristic coil data 3700 μs See solenoid coil, to be ordered separately	Switching time off	39 ms	
Max. negative test pulse with 1 signal Characteristic coil data 4600 μs See solenoid coil, to be ordered separately	Switching time on	17 ms	
Characteristic coil data See solenoid coil, to be ordered separately	Max. positive test pulse with 0 signal	3700 μs	
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Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]	Characteristic coil data	See solenoid coil, to be ordered separately	
	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]	

Feature	Value
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Vibration resistance	Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6
Shock resistance	Shock test with severity level 2 to FN 942017-5 and EN 60068-2-27
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Media temperature	-5 °C 50 °C
Sound pressure level	85 dB(A)
Pilot medium	Compressed air to 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 to ISO 5599-1
Pilot air port 14	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 1	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 2	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 3	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 4	Sub-base size 1 to ISO 5599-1
Pneumatic connection, port 5	Sub-base size 1 to ISO 5599-1
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Die-cast aluminium