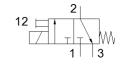
## solenoid valve MHE4-M1H-3/2G-1/4 Part number: 525186







## **Data sheet**

Valve function         3/2 closed, monostable           Type of actuation         electrical           Width         18 mm           Standard nominal flow rate         400 l/min           Operating pressure         -0.9 8 bar           Design structure         Pressure-relieved poppet valve           Type of reset         mechanical spring           Protection class         IP65           Authorisation         CUL us - Recognized (OL)           Nominal size         4 mm           Grid dimension         2a mm           Exhaust air function         throritable           Sealing principle         soft           Assembly position         Any           Manual override         Pushing           Type of ploting         direct           Flow direction         reversible with restrictions           Overlang         Underlap           Operating pressure, reversible         -0.9 1 bar           Maximum switching frequency         120 Hz           Switching time of         5 ms           Switching time of         10.5 ms           Duty cycle         10.9 ms           Characteristic coil data         47 L0 5%           Permissible voltage fluctuation         -6.5	
Signature   Security	
Width   18 mm   Standard nominal flow rate   400 l/min   Operating pressure   0.9 6 bar   Operating pressure   Pressure-relieved poppet valve   Pressure-relieved   Pressure-	
Operating pressure   O.9 8 bar   Pressure-relieved poppet valve   Type of reset   mechanical spring   Protection class   IP65   Authorisation   C.U. u.s. Recognized (OL)   Nominal size   4 mm   Exhaust-air function   Throttleable   Sealing principle   soft   Any   Sealing principle   Soft   Any   Sealing principle   Soft   Any   Sealing principle   Soft   Any   Sealing principle   Soft   Sealing principle   Se	
Operating pressure   O.9 8 bar   Pressure-relieved poppet valve   Type of reset   mechanical spring   Protection class   IP65   Authorisation   C.U. u.s. Recognized (OL)   Nominal size   4 mm   Exhaust-air function   Throttleable   Sealing principle   soft   Any   Sealing principle   Soft   Any   Sealing principle   Soft   Any   Sealing principle   Soft   Any   Sealing principle   Soft   Sealing principle   Se	
Design structure Type of reset Type of plant size Type of reset Type of ploting Type of type	
Type of reset   mechanical spring   Protection class   IP65   Authorisation   CUL us - Recognized (OL)   Authorisation   CUL us - Recognized (OL)   Authorisation   CUL us - Recognized (OL)   Authorisation   Cult us - Recognized (OL)   Cul	
Protection class   P65	
Authorisation c UL us - Recognized (OL) Nominal size 4 mm Grid dimension 24 mm Exhaust-air function throttleable Sealing principle soft Any Manual override Pushing Type of piloting direct Flow direction reversible with restrictions Overlap Underlap Operating pressure, reversible 0.9 1 bar Maximum switching frequency 120 Hz Switching time off 5 ms Switching time on 10.5 ms Duty cycle 100 % Characteristic coli data 24 V DC: 5.6 W Permissible voltage fluctuation 4/- 10 % Operating and pilot medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for furthe operation) Vibration resistance Shock resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 5 60 °C Ambient temperature 5 60 °C Ambient temperature 5 60 °C Ambient temperature 5 60 °C Product weight 270 g Electrical connection, port 1 G1/4 Pneumatic connection, port 3 G1/4 Material housing Circle casting coated	
Nominal size   4 mm   24 mm   24 mm   24 mm   24 mm   25 minus   24 mm   25 minus   25 minus   25 minus   26 mm   26 minus   26 mm   27 minus	
Serial dimension   24 mm   Exhaust-air function   throttleable   Sealing principle   Soft	
Exhaust-air function Sealing principle Sealing principle Any Manual override Type of piloting Type of piloting Type of piloting Type of piloting Overlap Underlap Operating pressure, reversible best with seversible best operations Operating pressure, reversible best of pressure, operations Operating pressure, reversible best operations Operating pressure, reversible best others, operating pressure, reversible best others, operations Operating pressure, reversible observed on the state severity level 2 in accordance with severity level 2 in accordance wit	
Sealing principle Assembly position Any Manual override Pushing Type of piloting Underlap Underlap Operating pressure, reversible -0.9 1 bar Maximum switching frequency 120 Hz Switching time of Switching time on 10.5 ms Duty cycle 100 % Characteristic coil data 24 V DC: 5.6 W Permissible voltage fluctuation +/-10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubbricated operation possible (subsequently required for furthe operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 60 °C Ambient temperature -5 60 °C Ambient temperature -5 60 °C Product weight 270 g Electrical connection Plug 2-pin Mounting type with through hole Pneumatic connection, port 1 Fire of copper and PTFE Conforms to RoHS Material housing  Material housing  Material housing  Zinct exacting Zinct exacting Zinct exacting Zinct exacting Zinct exacting Zinct exacting Casted  Material housing Zinct exacting Zinct exacting Zinct exacting Zinct exacting Zinct exacting Casted  Material housing Zinct exacting Zin	
Assembly position  Manual override  Pushing Type of piloting  direct  Flow direction  Overlap  Underlap  Operating pressure, reversible  Maximum switching frequency  Switching time of  Duty cycle  Characteristic coil data  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-5 600682-27  Corrosion resistance classification CRC  Medium temperature  Ability is a company of the form of the fo	
Manual override Type of piloting direct Thow direction Overlap Underlap Operating pressure, reversible -0.9	
Type of piloting Flow direction reversible with restrictions Overlap Operating pressure, reversible Operating pressure, reversible Operating pressure, reversible Operating pressure, reversible Operating frequency 120 Hz Switching time off Sms Switching time on 10.5 ms Out yecle 100 % Characteristic coil data 24 V DC: 5.6 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (subsequently required for furthe operation) Vibration resistance Transport application test at severity level 2 in accordance with 94/2017-4 and EN 60068-2-6 Shock resistance Shock resistance Shock resistance classification CRC 2- Moderate corrosion stress Medium temperature 5	
Flow direction  Overlap  Underlap  Underlap  Operating pressure, reversible  Asymum switching frequency  Switching time off  Sms  Switching time on  Duty cycle  Characteristic coil data  4/-10 %  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Ubricated operation possible (subsequently required for furthe operation)  Vibration resistance  Transport application test at severity level 2 in accordance with 942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance classification CRC  2 Medium temperature  5 60 °C  Product weight  Electrical connection  Plug 2-pin  Mounting type  Mounting type  with through hole  Pneumatic connection, port 1  Gal/4  Pneumatic connection, port 2  Materials note  Material housing  Material housing  Airci die-casting  Conted  Airci die-casting  Conted  Airci die-casting  Coated	
Overlap Operating pressure, reversible Operating pressure, reversible Operating pressure, reversible Operating pressure, reversible Operating frequency Switching time off Sims Switching time on Operating time on Operating time on Operating self-uctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Unbricated operation possible (subsequently required for furthe operation) Vibration resistance Transport application test at severity level 2 in accordance with FN 942017-5 (60068-2-2) Corrosion resistance Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 (60068-2-2) Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature -5 60 °C Ambient temperature -5 60 °C Product weight 270 g Electrical connection Plug 2-pin Mounting type Mounting type With through hole Pneumatic connection, port 1 G1/4 Pneumatic connection, port 2 G1/4 Pneumatic connection, port 3 G1/4 Materials note Free of copper and PTFE Conforms to RoHS MBR Material housing Tinc die-casting Coated	
Operating pressure, reversible	
Maximum switching frequency  Switching time off  5 ms  Suitching time on  Duty cycle  Characteristic coil data  Permissible voltage fluctuation  Operating medium  Note on operating and pilot medium  Ubricated operation possible (subsequently required for further operation)  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-5 60068-2-6  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance classification CRC  Ambient temperature  -5 60 °C  Ambient temperature  -5 60 °C  Product weight  Electrical connection  Plug 2-pin  Mounting type  Mounting type  Pneumatic connection, port 1  G1/4  Pneumatic connection, port 2  Pneumatic connection, port 2  Free of copper and PTFE Conforms to RoHS  Material seals  MARER  Material housing  Zinc die-casting coated	
Switching time off  Switching time on  Duty cycle  100 %  Characteristic coil data  Permissible voltage fluctuation  Operating medium  Note on operating and pilot medium  Vibration resistance  Transport application test at severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance  Shock resistance  Shock sessitance classification CRC  Ambient temperature  7-5 60 °C  Product weight  Electrical connection  Preumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 3  Material soals  Material soals  Material housing  Vibration in a 10.5 ms  10.6 mc  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  10.8 measurement operation ope	
Switching time on 10.5 ms Duty cycle 100% Characteristic coil data 24 V DC: 5.6 W Permissible voltage fluctuation +/- 10 % 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 2 in accordance with 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 60068-2-7 Corrosion resistance classification CRC 2-Moderate corrosion stress Medium temperature -560 °C Ambient temperature -560 °C Product weight 270 g Electrical connection Plug 2-pin with through hole Pneumatic connection, port 1 G1/4 Pneumatic connection, port 2 G1/4 Pneumatic connection, port 3 G1/4 Materials note Free of copper and PTFE Conforms to RoHS Material seals HNBR NBR Material housing Zinc die-casting coated	
Duty cycle Characteristic coil data 24 V DC: 5.6 W Permissible voltage fluctuation 4/- 10 % 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 2 in accordance with 942017-4 and EN 60068-2-6 Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27 Corrosion resistance classification CRC 2 - Moderate corrosion stress Medium temperature 560 °C Ambient temperature 560 °C Product weight Electrical connection Plug 2-pin Mounting type with through hole Pneumatic connection, port 1 G1/4 Pneumatic connection, port 2 G1/4 Pneumatic connection, port 3 G1/4 Materials note Free of copper and PTFE Conforms to ROHS Material seals HNBR NBR Material housing Zinc die-casting coated	
Characteristic coil data       24 V DC: 5.6 W         Permissible voltage fluctuation       +/- 10 %         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 furthe operation)         Vibration resistance       Transport application test at severity level 2 in accordance with 942017-4 and EN 60068-2-6         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 (60068-2-27)         Corrosion resistance classification CRC       2 · Moderate corrosion stress         Medium temperature       -5 60 °C         Product weight       270 g         Electrical connection       Plug         2-pin         Mounting type       with through hole         Pneumatic connection, port 1       G1/4         Pneumatic connection, port 2       G1/4         Pneumatic connection, port 3       G1/4         Material seals       HNBR         Material housing       Zinc die-casting coated	
Permissible voltage fluctuation +/- 10 %  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 2 in accordance with 942017-4 and EN 60068-2-6  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance classification CRC 2 · Moderate corrosion stress  Medium temperature -5 · 60 °C  Ambient temperature -5 · 60 °C  Product weight 270 g  Electrical connection Plug 2-pin  Mounting type with through hole  Pneumatic connection, port 1 G1/4  Pneumatic connection, port 2 G1/4  Pneumatic connection, port 3 G1/4  Materials note Free of copper and PTFE Conforms to RoHS  Material seals HNBR NBR  Material housing Zinc die-casting coated	
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 2 in accordance with 942017-4 and EN 60068-2-6         Shock resistance       Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27         Corrosion resistance classification CRC       2 · Moderate corrosion stress         Medium temperature       -5 60 °C         Ambient temperature       -5 60 °C         Product weight       270 g         Electrical connection       Plug         2-pin       with through hole         Mounting type       with through hole         Pneumatic connection, port 1       G1/4         Pneumatic connection, port 2       G1/4         Pneumatic connection, port 3       G1/4         Materials note       Free of copper and PTFE Conforms to RoHS         Material seals       HNBR NBR         Material housing       Zinc die-casting coated	
Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  Vibration resistance  Transport application test at severity level 2 in accordance with 942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature  -5 60 °C  Ambient temperature  -5 60 °C  Product weight  Electrical connection  Plug 2-pin  Mounting type  with through hole  Pneumatic connection, port 1  Fine of 1/4  Pneumatic connection, port 2  Fine of copper and PTFE Conforms to RoHS  Material seals  HNBR NBR  Material housing  Zinc die-casting coated	
operation)  Vibration resistance  Transport application test at severity level 2 in accordance with 942017-4 and EN 60068-2-6  Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature  -5 60 °C  Ambient temperature  -5 60 °C  Product weight  270 g  Electrical connection  Plug 2-pin  Mounting type  with through hole  Pneumatic connection, port 1  G1/4  Pneumatic connection, port 2  G1/4  Pneumatic connection, port 3  G1/4  Materials note  Free of copper and PTFE Conforms to RoHS  Material seals  Material housing  Zinc die-casting coated	
942017-4 and EN 60068-2-6  Shock resistance Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance classification CRC 2 - Moderate corrosion stress  Medium temperature -5 60 °C  Ambient temperature -5 60 °C  Product weight 270 g  Electrical connection Plug 2-pin  Mounting type with through hole Pneumatic connection, port 1 G1/4 Pneumatic connection, port 2 G1/4 Pneumatic connection, port 3 G1/4  Materials note Free of copper and PTFE Conforms to RoHS  Material seals HNBR NBR  Material housing Zinc die-casting coated	uired for further
Shock resistance  Shock test with severity level 2 in accordance with FN 942017-5 60068-2-27  Corrosion resistance classification CRC  2 - Moderate corrosion stress  Medium temperature  -5 60 °C  Ambient temperature  -5 60 °C  Product weight  Electrical connection  Plug 2-pin  Mounting type  with through hole  Pneumatic connection, port 1  G1/4  Pneumatic connection, port 2  G1/4  Pneumatic connection, port 3  G1/4  Materials note  Free of copper and PTFE Conforms to RoHS  Material seals  HNBR NBR  Material housing  Zinc die-casting coated	cordance with FN
Corrosion resistance classification CRC  Medium temperature  -5 60 °C  Ambient temperature  -5 60 °C  Product weight  Electrical connection  Mounting type  Mounting type  Pneumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 3  Materials note  Free of copper and PTFE  Conforms to RoHS  Material seals  Material housing  Material housing  Zinc die-casting coated	h FN 942017-5 and EN
Medium temperature  Ambient temperature  Product weight  Electrical connection  Plug 2-pin  Mounting type  Mounting type  Pneumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 3  Materials note  Free of copper and PTFE Conforms to RoHS  Material housing  Material housing  Medium temperature  -5 60 °C  -7 60 °C	
Ambient temperature  Product weight  Electrical connection  Plug 2-pin  Mounting type  with through hole Pneumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 3  Materials note  Free of copper and PTFE Conforms to RoHS  Material seals  Material housing  Material housing  Zinc die-casting coated	
Product weight  Electrical connection  Plug 2-pin  Mounting type  with through hole  Pneumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 3  G1/4  Pneumatic connection, port 3  G1/4  Materials note  Free of copper and PTFE Conforms to RoHS  Material seals  HNBR NBR  Material housing  Zinc die-casting coated	
Electrical connection  Plug 2-pin  Mounting type  with through hole  Pneumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 3  G1/4  Pneumatic connection, port 3  G1/4  Materials note  Free of copper and PTFE Conforms to RoHS  Material seals  HNBR NBR  Material housing  Zinc die-casting coated	
2-pin  Mounting type with through hole  Pneumatic connection, port 1 G1/4  Pneumatic connection, port 2 G1/4  Pneumatic connection, port 3 G1/4  Materials note Free of copper and PTFE  Conforms to RoHS  Material seals HNBR  NBR  Material housing Zinc die-casting  coated	
Mounting type with through hole Pneumatic connection, port 1 G1/4 Pneumatic connection, port 2 G1/4 Pneumatic connection, port 3 G1/4 Materials note Free of copper and PTFE Conforms to RoHS Material seals HNBR NBR Material housing Zinc die-casting coated	
Pneumatic connection, port 1  Pneumatic connection, port 2  Pneumatic connection, port 3  Materials note  G1/4  Free of copper and PTFE  Conforms to RoHS  Material seals  HNBR  NBR  Material housing  Zinc die-casting  coated	
Pneumatic connection, port 2 Pneumatic connection, port 3 G1/4  Materials note Free of copper and PTFE Conforms to RoHS  Material seals HNBR NBR  Material housing Zinc die-casting coated	
Pneumatic connection, port 3  G1/4  Materials note  Free of copper and PTFE  Conforms to RoHS  Material seals  HNBR  NBR  Material housing  Zinc die-casting  coated	
Materials note Free of copper and PTFE Conforms to RoHS  Material seals HNBR NBR  Material housing Zinc die-casting coated	
Conforms to RoHS  Material seals  HNBR NBR  Material housing  Zinc die-casting coated	
Material housing Zinc die-casting coated	
Material housing Zinc die-casting coated	
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