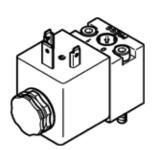
Solenoid valve MDH-3/2-24DC-PI Part number: 546019 Product to be discontinued

Directly actuated, with solenoid coil and manual override, without plug





Data sheet

Valve function 3/2 closed, monostable	Feature	Value
Width 30 mm Standard nominal flow rate 20 l/min Working pressure 0.5 10 bar Design structure Poppet seat Type of reset mechanical spring Protection class IP65 NEMA 4 Nominal size Grid dimension 100 mm Exhaust-air function not throttleable Based on the standard ISO 15218 Sealing principle soft Assembly position Any Conforms to standard ISO 15218 Manual override detenting Pushing Pushing Type of piloting direct Flow direction non reversible Freedom from overlap No b value 0.46 C value 0.075 l/sbar Switching time off 8 ms Switching time on 13 ms Dutly cycle 100% Characteristic coil data 24 V DC: 2.1 W Permissible voltage fluctuation -15 % l/+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) Corrosion resistance classification CRC 2 <t< td=""><td>Valve function</td><td>3/2 closed, monostable</td></t<>	Valve function	3/2 closed, monostable
Standard nominal flow rate 20 l/min	Type of actuation	electrical
Working pressure Design structure Poppet seat Type of reset Protection class Protection cla	Width	30 mm
Design structure Poppet seat Type of reset mechanical spring	Standard nominal flow rate	20 l/min
Type of reset mechanical spring Protection class IP65 NEMA 4 Nominal size 0.8 mm Grid dimension 100 mm Exhaust-air function not throttleable Based on the standard ISO 15218 Sealing principle soft Assembly position Any Conforms to standard ISO 15218 Manual override ISO 15218 Manual override detenting Pushing Iree Pushing Type of piloting direct non reversible Freedom from overlap No b value 0.46 C value 0.075 l/sbar Switching time off 8 ms Switching time on 13 ms Duty cycle 100% Characteristic coil data 24 V DC: 2.1 W Permissible voltage fluctuation 10 perating medium 10 compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Ambient temperature -20 60 °C Ambient temperature	Working pressure	0.5 10 bar
Protection class P65 NEMA 4	Design structure	Poppet seat
NEMA 4 Nominal size	Type of reset	mechanical spring
Nominal size Grid dimension Exhaust-air function Exhaust-air function Inot throttleable Based on the standard Sealing principle Soft Assembly position Conforms to standard ISO 15218 Manual override Manual override Metenting Pushing Type of piloting Greed firect Flow direction Inon reversible Freedom from overlap No b value O.46 C value O.075 I/sbar Switching time off 8 ms Switching time on 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 Lubricated operation Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C Ambient temperature -20 60 °C	Protection class	IP65
Grid dimension 100 mm Exhaust-air function not throttleable Based on the standard ISO 15218 Sealing principle soft Assembly position Any Conforms to standard ISO 15218 Manual override detenting Pushing Type of piloting direct Freedom from overlap No b value 0.46 C value 0.075 l/sbar Switching time off 8 ms Switching time off 13 ms Duty cycle 100% Characteristic coil data 24 V DC; 2.1 W Permissible voltage fluctuation 1.55 / +10 % Operating medium Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C Ambient temperature -20 60 °C -20 60 °C		NEMA 4
Exhaust-air function Based on the standard Sealing principle Assembly position Conforms to standard Manual override Molection Type of piloting Flow direction No No No No South Covalue Molection Switching time off Molection Switching time off Molection Switching time off Molection Molection Switching time off Molection M	Nominal size	0.8 mm
Based on the standard Sealing principle Assembly position Conforms to standard ISO 15218 Manual override Metenting Pushing Type of piloting Freedom from overlap b value C value Switching time off Switching time on 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 Corrosion resistance classification CRC Ambient temperature -20 60 °C Ambient temperature -20 60 °C Ambient temperature	Grid dimension	100 mm
Sealing principle soft Assembly position Any Conforms to standard ISO 15218 Manual override detenting Pushing Pushing Type of piloting direct Flow direction non reversible Freedom from overlap No b value 0.46 C value 0.075 l/sbar Switching time off 8 ms Switching time on 13 ms Duty cycle 100% Characteristic coil data 24 V Dc: 2.1 W Permissible voltage fluctuation -15 % / +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) Corrosion resistance classification CRC 2 Medium temperature -20 60 °C Ambient temperature -20 60 °C	Exhaust-air function	not throttleable
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Conforms to standard Manual override Manual override Manual override Dushing direct Flow direction Freedom from overlap No b value C value Switching time off Switching time on Duty cycle Characteristic coil data Permissible voltage fluctuation Operating medium Note on operating and pilot medium Corrosion resistance classification CRC Medium temperature Pale detenting Pushing detenting Pushing detenting Pushing direct No No 0.46 0.46 0.075 l/sbar 8 ms Switching time off 8 ms Switching time on 13 ms Duty cycle 100% Characteristic coil data 24 V DC: 2.1 W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Corrosion resistance classification CRC 2 Medium temperature -20 60 °C Ambient temperature -20 60 °C	Sealing principle	soft
Manual override Description	Assembly position	Any
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Flow direction non reversible Freedom from overlap No		Pushing
Flow direction non reversible Freedom from overlap No	Type of piloting	direct
b value C value 0.075 l/sbar Switching time off 8 ms Switching time on 13 ms Duty cycle 100% Characteristic coil data 24 V DC: 2.1 W Permissible voltage fluctuation -15 % / +10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C		non reversible
C value 0.075 l/sbar Switching time off 8 ms Switching time on 13 ms Duty cycle 100% Characteristic coil data 24 V DC: 2.1 W Permissible voltage fluctuation -15 % / +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) Corrosion resistance classification CRC 2 Medium temperature -20 60 °C Ambient temperature -20 60 °C	Freedom from overlap	No
Switching time off Switching time on Duty cycle 100% 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 Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C	b value	0.46
Switching time off Switching time on Duty cycle 100% 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 Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C	C value	0.075 l/sbar
Switching time on 13 ms Duty cycle 100% Characteristic coil data 24 V DC: 2.1 W Permissible voltage fluctuation -15 % / +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) Corrosion resistance classification CRC 2 Medium temperature -20 60 °C Ambient temperature -20 60 °C	Switching time off	
Duty cycle100%Characteristic coil data24 V DC: 2.1 WPermissible voltage fluctuation-15 % / +10 %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)Corrosion resistance classification CRC2Medium temperature-20 60 °CAmbient temperature-20 60 °C		13 ms
Characteristic coil data 24 V DC: 2.1 W Permissible voltage fluctuation 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) Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C		100%
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) Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C		24 V DC: 2.1 W
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) Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C	Permissible voltage fluctuation	-15 % / +10 %
Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC Medium temperature -20 60 °C Ambient temperature -20 60 °C		Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Medium temperature -20 60 °C Ambient temperature -20 60 °C		Lubricated operation possible (subsequently required for further
Medium temperature -20 60 °C Ambient temperature -20 60 °C	Corrosion resistance classification CRC	2
Ambient temperature -20 60 °C		
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Product Weight 140 g	Product weight	140 g
Electrical connection Per DIN EN 175301-803	<u> </u>	9
Design A	Electrical confidence	
Mounting type On subbase	Mounting type	
with through hole	···	
Pneumatic connection, port 1 Subbase	Pneumatic connection, port 1	
Pneumatic connection, port 2 Subbase		
Pneumatic connection, port 3 Non-ducted		
Materials note Conforms to RoHS	•	
Materials information for seals HNBR		