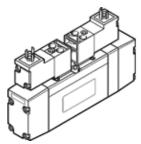
## Solenoid valve **MN2H-5/3E-D-02-S-12DCA** Part number: 187935

In accordance with ISO 15407/-1, with solenoid coil and manual override, without plug socket. Products to be discontinued. Available until 2009.



## **Data sheet**

Valve function   5/3 exhausted     Type of actuation   electrical     Width   18 mm     Standard nominal flow rate   500 l/min     Operating pressure   -0.910 bar     Design structure   Piston silde     Type of reset   mechanical spring     Protection class   IP65     Nominal size   6 mm     Grid dimension   19 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   VDMA 24563     Manual override   with accessories, detenting     Type of piloting   Piloted     Pilot air supply   external     Flow direction   reversible     Pilot pressure   3 10 bar     Switching time off   28 ms     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     24 V AC: 60Hz   VAC: 60Hz     Operating medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   Corrosion resistance classification CRC   2     <	Feature	Value
Width   18 mm     Standard nomial flow rate   500 l/min     Operating pressure   -0.9 10 bar     Design structure   Piston slide     Type of reset   mechanical spring     Protection class   IP65     Nominal size   6 mm     Grid dimension   19 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   VDMA 24563     Manual override   with accessories, detenting     Type of piloting   Piloted     Pilot pressure   3 10 bar     Switching time off   28 ms     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     QV AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     QV AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     QV AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     Corrosion resistance classification CRC   2     Medium temperature   10 50 °C     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Ambient temperature <td< td=""><td>Valve function</td><td>5/3 exhausted</td></td<>	Valve function	5/3 exhausted
Standard nominal flow rate   500 l/min     Operating pressure   -0.910 bar     Design structure   Piston silde     Type of reset   mechanical spring     Protection class   IP65     Nominal size   6 mm     Grid dimension   19 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   VDMA 24563     Manual override   with accessories, detenting     Type of piloting   Piloted     Pilot air supply   external     Flow direction   reversible     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     Querating medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   Corrosion resistance classification CRC   2     Pilot menerature   10 50 °C     Product weight   220 g   220 g     Electrical connection   Plug   to N43650	Type of actuation	electrical
Operating pressure   -0.9 10 bar     Design structure   Piston slide     Type of reset   mechanical spring     Protection class   IP65     Nominal size   6 mm     Grid dimension   19 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   VDMA 24563     Manual override   with accessories, detenting     Pilot air supply   external     Flow direction   reversible     Pilot pressure   3 10 bar     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     24 V AC: 50 Hz   50 °C     Pilot megerature   10 50 °C     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   Corrosion resistance classification CRC   2     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Ambient temperature   -10 50 °C   Product weight     Pilou   220	Width	18 mm
Design structure   Piston slide     Type of reset   mechanical spring     Protection class   IP65     Nominal Size   6 mm     Grid dimension   19 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   VDMA 24563     Manual override   with accessories, detenting     Type of piloting   Piloted     Pilot air supply   external     Flow direction   reversible     Pilot pressure   3 10 bar     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     Querating medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   Corrosion resistance classification CRC   2     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   Corrosion resistance classification CRC   2     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   Corrosion resistance classification CRC   2     Pilot medium	Standard nominal flow rate	500 l/min
Type of resetmechanical springProtection classIP65Nominal size6 mmGrid dimension19 mmExhaust-air functionthrottleableSealing principlesoftAssembly positionAnyConforms to standardVDMA 24563Manual overridewith accessories, detentingPilot air supplyexternalFlow directionreversiblePilot pressure3 10 barSwitching time off28 msSwitching time off28 msSwitching time on18 msCharacteristic coil data12V DC: 1.4W24V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA24V AC: 60Hz0Operating mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedVacuumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedPilot mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedProduct weight220 gElectrical connectionPlug to DIN 43650	Operating pressure	-0.9 10 bar
Type of resetmechanical springProtection classIP65Nominal size6 mmGrid dimension19 mmExhaust-air functionthrottleableSealing principlesoftAssembly positionAnyConforms to standardVDMA 24563Manual overridewith accessories, detentingPilot air supplyexternalFlow directionreversiblePilot pressure3 10 barSwitching time onf28 msSwitching time on18 msCharacteristic coil data12V DC: 1,4W24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA 24V AC: 50 HzOperating mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedVacuumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedAmbeint temperature-10 50 °CPilot weight220 gElectrical connectionPlug tuo DIN 43650	Design structure	Piston slide
Protection class   IP65     Nominal size   6 mm     Grid dimension   19 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   VDMA 24563     Manual override   with accessories, detenting     Type of piloting   Piloted     Pilot air supply   external     Flow direction   reversible     Pilot perssure   3 10 bar     Switching time off   28 ms     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     24V AC: 60Hz   Operating medium     Operating medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   20 °C     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   20 °C     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum   20 °C     Product weight   220 g     Electrical c		mechanical spring
Grid dimension   19 mm     Exhaust-air function   throttleable     Sealing principle   soft     Assembly position   Any     Conforms to standard   VDMA 24563     Manual override   with accessories, detenting     Type of piloting   Piloted     Pilot air supply   external     Flow direction   reversible     Pilot pressure   3 10 bar     Switching time off   28 ms     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA 24 V AC: 60Hz     Operating medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Corrosion resistance classification CRC   2     Medium temperature   -10 50 °C     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Ambient temperature   -10 50 °C     Product weight   220 g     Electrical connection   Plug to DIN 43650	Protection class	
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Type of pilotingPilotedPilot air supplyexternalFlow directionreversiblePilot pressure3 10 barSwitching time off28 msSwitching time on18 msCharacteristic coil data12V DC: 1,4W24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA24V AC: 60HzOperating mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricated VacuumCorrosion resistance classification CRC2Pilot mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricated VacuumAmbient temperature-10 50 °CProduct weight220 gElectrical connectionPlug to DIN 43650		VDMA 24563
Type of piloting   Piloted     Pilot air supply   external     Flow direction   reversible     Pilot pressure   3 10 bar     Switching time off   28 ms     Switching time on   18 ms     Characteristic coil data   24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     24 V AC: 60Hz     Operating medium     filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum     Corrosion resistance classification CRC   2     Medium temperature   -10 50 °C     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Ambient temperature   -10 50 °C     Product weight   220 g     Electrical connection   Plug     to DIN 43650   Plug	Manual override	with accessories, detenting
Pilot air supply   external     Flow direction   reversible     Pilot pressure   3 10 bar     Switching time off   28 ms     Switching time on   18 ms     Characteristic coil data   12V DC: 1,4W     24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     24V AC: 60Hz     Operating medium     filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum     Corrosion resistance classification CRC   2     Medium temperature   -10 50 °C     Pilot medium   filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Ambient temperature   -10 50 °C     Product weight   220 g     Electrical connection   Plug to DIN 43650	Type of piloting	
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Switching time off28 msSwitching time on18 msCharacteristic coil data12V DC: 1,4W24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA24V AC: 60HzOperating mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricated VacuumCorrosion resistance classification CRC2Medium temperature-10 50 °CPilot mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricated VacuumAmbient temperature-10 50 °CProduct weight220 gElectrical connectionPlug to DIN 43650	Pilot pressure	3 10 bar
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Characteristic coil data   12V DC: 1,4W     24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA     24V AC: 60Hz     Operating medium     filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum     Corrosion resistance classification CRC     Pilot medium     filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Vacuum     Corrosion resistance classification CRC     2     Medium temperature     -10 50 °C     Pilot medium     filtered compressed air, grade of filtration 40 µm, lubricated or unlubricated     Ambient temperature     -10 50 °C     Product weight     220 g     Electrical connection     Plug     to DIN 43650		
24V AC: 60HzOperating mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricated VacuumCorrosion resistance classification CRC2Medium temperature-10 50 °CPilot mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedAmbient temperature-10 50 °CProduct weight220 gElectrical connectionPlug to DIN 43650	-	12V DC: 1,4W
24V AC: 60HzOperating mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricated VacuumCorrosion resistance classification CRC2Medium temperature-10 50 °CPilot mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedAmbient temperature-10 50 °CProduct weight220 gElectrical connectionPlug to DIN 43650		24 V AC: 50 Hz, switching power: 3 VA, holding capacity: 2.4 VA
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unlubricated VacuumCorrosion resistance classification CRC2Medium temperature-10 50 °CPilot mediumfiltered compressed air, grade of filtration 40 µm, lubricated or unlubricatedAmbient temperature-10 50 °CProduct weight220 gElectrical connectionPlug to DIN 43650	Operating medium	filtered compressed air, grade of filtration 40 µm, lubricated or
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Corrosion resistance classification CRC   2     Medium temperature   -10 50 °C     Pilot medium   filtered compressed air, grade of filtration 40 μm, lubricated or unlubricated     Ambient temperature   -10 50 °C     Product weight   220 g     Electrical connection   Plug to DIN 43650		Vacuum
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Pilot medium   filtered compressed air, grade of filtration 40 μm, lubricated or unlubricated     Ambient temperature   -10 50 °C     Product weight   220 g     Electrical connection   Plug to DIN 43650	Medium temperature	-10 50 °C
unlubricated   Ambient temperature -10 50 °C   Product weight 220 g   Electrical connection Plug to DIN 43650		filtered compressed air, grade of filtration 40 µm, lubricated or
Product weight 220 g   Electrical connection Plug to DIN 43650		
Product weight 220 g   Electrical connection Plug to DIN 43650	Ambient temperature	
Electrical connection Plug to DIN 43650	•	
		5
		Design C
Mounting type with through hole	Mounting type	
Auxiliary pilot air port 12/14 Sub-base VDMA 24563 size 2		
Pilot exhaust port 82/84 Sub-base VDMA 24563 size 2		
Pneumatic connection, port 1 Sub-base VDMA 24563 size 2		
Pneumatic connection, port 2 Sub-base VDMA 24563 size 2		
Pneumatic connection, port 3 Sub-base VDMA 24563 size 2		
Pneumatic connection, port 4 Sub-base VDMA 24563 size 2		
Pneumatic connection, port 5 Sub-base VDMA 24563 size 2		
Materials information for seals NBR		
Materials information, housing Aluminium die cast		

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