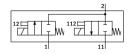
Vacuum valve MHA1-2X2/2G-1,5 Part number: 563365

FESTO





Data sheet

Actuation type Electrical Width 20 mm Standard nominal flow rate 30 l/min Prepumatic working port Operating voltage 24V DC Operating pressure 0 bar1.5 bar Reset method Mechanical spring Degree of protection CE marking (see declaration of conformity) As per EU EMC directive As per EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Nominal width 1.5 mm Width dimension Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Type of control Flow direction Direct Flow direction Signal status display LED Operating pressure, reversible Suitability for vacuum yes Standard flow rate Max. switching frequency 10 Hz Switching time off 6 ms On switching time off 6 ms On switching time On switching time On switching time On soil Characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations 1-7-10 %	Feature	Value
Width 20 mm Standard nominal flow rate 30 l/min Pneumatic working port prepared for QSP10 Operating voltage 24V DC Operating pressure Obar1.5 bar Reset method Mechanical spring Degree of protection IP40 CE marking (see declaration of conformity) As per EU EMC directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoHS directive As per EU RoH directive Soft MC Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Direct Non-reversible Signal status display LED Operating pressure, reversible Soft Soft Any Operating pressure, reversible Soft Soft Any Max. switching frequency 10 Hz Switching frequency 10 Hz Switching time off 6 ms On switching time off 6 ms On switching time 6 ms On on switching time off On own of the switching time o	Valve function	2x2/2 closed, monostable
Standard nominal flow rate Pneumatic working port Operating voltage Operating pressure Obar1.5 bar Reset method Mechanical spring Degree of protection IP40 CE marking (see declaration of conformity) As per EU EMC directive As per EU ROHS directive As per EU ROHS directive IO UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROHS instructions Nominal width I.5 mm Width dimension 20 mm Exhaust air function Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Direct Flow direction Signal status display LED Operating pressure, reversible Suitability for vacuum yes Standard flow rate Max. switching frequency 10 Hz Switching time off On switching time off On switching time 6 ms On on switching time off On switching time On on switching time On on switching time of on on on the switching time on on switching time on on switching time on on the switching time on on the switching time on the switc	Actuation type	Electrical
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Operating voltage 24V DC Operating pressure 0 bar1.5 bar Reset method Mechanical spring Degree of protection IP40 CE marking (see declaration of conformity) As per EU EMC directive As per EU EMC directive As per EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK RoHS instructions Nominal width 1.5 mm Width dimension 20 mm Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Direct Flow direction Non-reversible Signal status display LED Operating pressure, reversible -0.95 bar0 bar Suitability for vacuum yes Standard flow rate 30 l/min Max. switching frequency 10 Hz Switching time off 6 ms On switching time On switching tim	Standard nominal flow rate	30 l/min
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Reset method Degree of protection Degree of protective As per EU EMC directive As per EU EMC directive As per EU EMC directive Du K RoHS instructions Dutk not instructions Degree of protect instructions Degree of protection instructions Direct Dire	Operating voltage	24V DC
Degree of protection ET WAS per EU EMC directive As per EU EMC directive As per EU EMC directive As per EU EMC directive UKCA marking (see declaration of conformity) To UK instructions for EMC TO UK RoHS instructions Nominal width 1.5 mm Width dimension Exhaust air function Without flow control option Sealing principle Soft Mounting position Any Manual override Non-detenting Type of control Flow direction Direct Flow direction Non-reversible Signal status display LED Operating pressure, reversible Suitability for vacuum yes Standard flow rate Max. switching frequency 10 Hz Switching time off On switching time On switching flowcurrent phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Operating pressure	0 bar1.5 bar
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As per EU RoHS directive UKCA marking (see declaration of conformity) To UK instructions for EMC To UK ROHS instructions Nominal width 1.5 mm Width dimension Exhaust air function Without flow control option Sealing principle Mounting position Any Manual override Non-detenting Type of control Direct Flow direction Signal status display LED Operating pressure, reversible Suitability for vacuum yes Standard flow rate Max. switching frequency Switching time off On switching time 6 ms Duty cycle Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations	Degree of protection	IP40
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Sealing principle Mounting position Any Manual override Non-detenting Type of control Direct Flow direction Non-reversible Signal status display LED Operating pressure, reversible Suitability for vacuum yes Standard flow rate 30 l/min Max. switching frequency Switching time off On switching time 6 ms Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W +/- 10 %	Width dimension	20 mm
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Manual override Non-detenting Type of control Direct Flow direction Non-reversible Signal status display LED Operating pressure, reversible Suitability for vacuum yes Standard flow rate 30 l/min Max. switching frequency 10 Hz Switching time off 6 ms On switching time Duty cycle Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations Non-detenting N	Sealing principle	Soft
Type of control Flow direction Non-reversible Signal status display LED Operating pressure, reversible Suitability for vacuum Suitability for vacuum Yes Standard flow rate 30 l/min Max. switching frequency 10 Hz Switching time off 6 ms On switching time Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W +/- 10 %	Mounting position	Any
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Signal status display Operating pressure, reversible Outside Suitability for vacuum Standard flow rate Standard flow rate Max. switching frequency Switching time off Outside Switching time O	Type of control	Direct
Operating pressure, reversible -0.95 bar0 bar Suitability for vacuum yes Standard flow rate 30 l/min Max. switching frequency 10 Hz Switching time off 6 ms On switching time 6 ms Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Flow direction	Non-reversible
Suitability for vacuum Standard flow rate 30 l/min Max. switching frequency 10 Hz Switching time off 6 ms On switching time 6 ms Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Signal status display	LED
Standard flow rate 30 l/min Max. switching frequency 10 Hz Switching time off 6 ms On switching time 6 ms Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Operating pressure, reversible	-0.95 bar0 bar
Max. switching frequency 10 Hz Switching time off 6 ms On switching time 6 ms Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Suitability for vacuum	yes
Switching time off 6 ms On switching time 6 ms Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Standard flow rate	30 l/min
On switching time 6 ms Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Max. switching frequency	10 Hz
Duty cycle 100% Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W Permissible voltage fluctuations +/- 10 %	Switching time off	6 ms
Coil characteristics 24 V DC: low-current phase 0.7 W, high-current phase 3.0 W +/- 10 %	On switching time	6 ms
Permissible voltage fluctuations +/- 10 %	Duty cycle	100%
	Coil characteristics	24 V DC: low-current phase 0.7 W, high-current phase 3.0 W
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4]	Permissible voltage fluctuations	+/- 10 %
	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]

Feature	Value
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Vibration resistance	Transport application test with severity level 2 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
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Storage temperature	-20 °C60 °C
Temperature of medium	-5 °C50 °C
Ambient temperature	-5 °C50 °C
Product weight	26.3 g
Max. cable length	30 m
Electrical connection	KMH plug
Type of mounting	With through-hole
Pneumatic connection 1	Prepared for QSP10
Pneumatic connection 11	Prepared for QSP10
Pneumatic connection 2	Prepared for QSP10
Note on materials	RoHS-compliant
Seals material	FPM HNBR NBR
Housing material	PA-reinforced PPS-reinforced
Material of screws	Steel