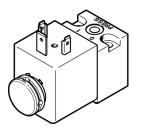
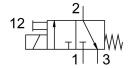
Pilot valve MDH-3/2-230VAC Part number: 119602

FESTO





Data sheet

Lap Underlap Actuation type Electrical Actuation type Electrical 30 mm Standard nominal flow rate Preumatic working port Sub-base, size 30 mm as per ISO 15218 Deparating voltage 110 V DC 230 V AC Deparating pressure 1 bar 16 bar Design Plate seat Reset method Mechanical spring Design Plate seat Reset method Mechanical spring Design Plate seat Nominal width 1.3 mm Width dimension 42 mm Type code MDH Schaust air function Without flow control option Based on norm ISO 15218 Based on norm ISO 15218 Based on norm ISO 15218 Based on standard ISO 15218 Manual override Non-teversible Non-teversible Operating time off Direct Flow direction Non-reversible Symbol O0991308 Switching time off 9 ms Don switching time Duty cycle 100 Mc Duty cycle 110 Mc Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressible (required for further use) Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressible (required for further use) Deparating meditum Compressible or Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:2010 [7-4:4] Deparating meditum Compressed air as per ISO 8573-1:20	Feature	Value
Actuation type Electrical Width 30 mm Standard nominal flow rate Pherumatic working port Sub-base, size 30 mm as per ISO 15218 Deprating yoltage 110V DC 230V AC Deprating pressure 1 bar16 bar Plate seat Reset method Mechanical spring Degree of protection IP65 Nominal width 1.3 mm Width dimension 42 mm Type code MDH Exhaust air function Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting Type of control Flow direction Non-reversible Symbol One yellow for the person Symbol One switching time off On switching time off Don's witching time 11 ms Duty cycle Coil characteristics 110 V DC: 6.3 W 230 V AC: 60 Hz, initial power 14.5 VA, holding power 7.6 VA Permissible frequency fluctuations Hyromation on operating and pilot media CE marking (see declaration of conformity) As per EU low voltage directive	Valve function	3/2, closed, monostable
Width Standard nominal flow rate 50 l/min Prenumatic working port 10 l/min Polar working wo	Lap	Underlap
Standard nominal flow rate Pneumatic working port Sub-base, size 30 mm as per ISO 15218 Derating voltage 110 V DC 230 V AC Operating pressure 1 bar 16 bar Design Plate seat Reset method Deeigre of protection IP65 Nominal width 1.3 mm Width dimension 42 mm Viyoe code MDH Exhaust air function Based on norm ISO 15218 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Non-detenting Viyoe of control Flow direction Non-reversible Symbol Oo991308 Symbol Oo991308 Switching time off On switching time off On switching time off On switching time off On switching time 11 ms Duty cycle 100% Coll characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 7.6 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible requency fluctuations 1.7 10% Coperating medium Compressed air as per ISO 8573-1:2010 [7:44] Information on operating and pilot media CE marking (See declaration of conformity) As per EU low voltage directive	Actuation type	Electrical
Preumatic working port Departing voltage 110V DC 230V AC Departing pressure 1 bar 16 bar Plate seat Reset method Mechanical spring Degree of protection Nominal width 1.3 mm Width dimension 42 mm Type code MDH Exhaust air function Based on norm 150 15218 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting Type of control Direct Plow direction Non-reversible Symbol On switching time off 9 ms Don switching time 11 ms Duty cycle Coil characteristics 110 V DC: 6.3 W 230 V AC: 60 Hz, initial power 14.5 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations Permissible voltage fluctuations +/- 10% Departing medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Width	30 mm
Deparating voltage 1 10V DC 230V AC Deparating pressure 1 bar 16 bar Plate seat Reset method Mechanical spring Degree of protection 1P65 Nominal width 1.3 mm Width dimension 42 mm Type code MDH Exhaust air function Based on norm 150 15218 Sealing principle Soft Mounting position Any Conforms to standard 150 15218 Manual override Non-detenting Type of control Direct Flow direction Non-reversible Switching time off 9 ms Duty cycle 100% Coil characteristics 110 V DC: 230V AC: 50 Hz, initial power 14.5 VA, holding power 7.6 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA 270 Permissible requency fluctuations Permissible requency fluctuations Permissible voltage fluctuations Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) As per EU low voltage directive	Standard nominal flow rate	50 l/min
230V AC Operating pressure 1 bar16 bar Design Plate seat Reset method Mechanical spring Degree of protection IP65 Nominal width 1.3 mm Width dimension Vipe code MDH Exhaust air function Based on norm ISO 15218 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Non-reversible Non-reversible Symbol Operating time off On switching time In ms Duty cycle In low Coil characteristics In V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 7.6 VA Permissible frequency fluctuations + /- 10% Permissible voltage fluctuations Permissible voltage fluctuations Permissible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Pneumatic working port	Sub-base, size 30 mm as per ISO 15218
Design Plate seat Reset method Mechanical spring Degree of protection Nominal width 1.3 mm Width dimension 42 mm Type code MDH Exhaust air function Without flow control option Based on norm ISO 15218 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting Type of control Direct Flow direction Non-reversible Symbol Oo991308 Switching time off 9 ms On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible requency fluctuations +/- 10% Permissible voltage fluctuations +/- 10% Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Example of protection of conformity) As per EU low voltage directive	Operating voltage	
Reset method Degree of protection IP65 Nominal width 1.3 mm Width dimension 42 mm IVpe code MDH Exhaust air function Beased on norm ISO 15218 Sealing principle Sealing principle Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting IVpe of control Direct IClow direction Non-reversible Symbol Oo991308 Switching time off On switching time Duty cycle Coil characteristics I10 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 50 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible requency fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Operating pressure	1 bar 16 bar
Degree of protection IP65 Nominal width I.3 mm Width dimension 42 mm Type code MDH Exhaust air function Based on norm ISO 15218 Sealing principle Soft Mounting position Conforms to standard ISO 15218 Manual override Non-detenting Type of control Flow direction Non-reversible Symbol Oo991308 Switching time off On switching time Duty cycle Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 7.6 VA Permissible requency fluctuations +/- 10% Permissible voltage fluctuations +/- 10% Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Design	Plate seat
Nominal width 1.3 mm Width dimension 42 mm Type code MDH Exhaust air function Without flow control option Based on norm ISO 15218 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting Type of control Direct Flow direction Non-reversible Symbol 00991308 Switching time off 9 ms On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible requency fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) As per EU low voltage directive	Reset method	Mechanical spring
With dimension If ye code MDH Exhaust air function Based on norm ISO 15218 Sealing principle Soft Mounting position Conforms to standard ISO 15218 Manual override Non-detenting If ye of control Flow direction Switching time off On switching time Duty cycle Coil characteristics In 10 y DC: 6.3 W 230 y AC: 50 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible requency fluctuations Permissible voltage fluctuations Permissible voltage fluctuations Dereating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating MCH Without flow control option Without flow control op	Degree of protection	IP65
Type code MDH Exhaust air function Based on norm ISO 15218 Sealing principle Mounting position Conforms to standard Mon-detenting Type of control Flow direction Direct Flow direction Non-reversible Symbol On switching time Direct Coil characteristics Coil characteristics Permissible frequency fluctuations Permissible voltage fluctuations Direct 100 Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating Mentus Without flow control option Without flow control option Without flow control option Without flow control option Non-detenting Non-detenting Non-detenting Non-reversible Non-reversible Oversible Non-reversible Oversible Non-reversible Non-re	Nominal width	1.3 mm
Exhaust air function Based on norm ISO 15218 Sealing principle Soft Mounting position Conforms to standard ISO 15218 Manual override Mon-detenting Type of control Direct Flow direction Symbol On switching time off On switching time Duty cycle Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 7.6 VA Permissible frequency fluctuations 1/- 10% Permissible voltage fluctuations 1/- 10 % Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media CE marking (see declaration of conformity) As per EU low voltage directive	Width dimension	42 mm
Based on norm ISO 15218 Sealing principle Soft Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting Type of control Direct Flow direction Non-reversible Symbol On switching time off On switching time I1 ms Duty cycle Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Example 1.5 VA 230 V AC: 60 Hz, initial power 150 8573-1:2010 [7:4:4] Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operation with oil lubrication possible (required for further use) Example 2.5 VA 24 VA	Type code	MDH
Sealing principle Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting Type of control Direct Flow direction Non-reversible Symbol On switching time off On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA +/- 10% Permissible requency fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) As per EU low voltage directive	Exhaust air function	Without flow control option
Mounting position Any Conforms to standard ISO 15218 Manual override Non-detenting Type of control Flow direction Non-reversible Symbol On switching time off On switching time I1 ms Duty cycle Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 7.6 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operating (see declaration of conformity) As per EU low voltage directive	Based on norm	ISO 15218
Conforms to standard ISO 15218 Manual override Non-detenting Direct Flow direction Non-reversible Symbol On switching time off On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Et marking (see declaration of conformity) As per EU low voltage directive	Sealing principle	Soft
Manual override Type of control Direct Flow direction Non-reversible Symbol Oo991308 Switching time off 9 ms On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) As per EU low voltage directive	Mounting position	Any
Type of control Direct Flow direction Non-reversible Symbol 00991308 Switching time off 9 ms On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media CE marking (see declaration of conformity) As per EU low voltage directive	Conforms to standard	ISO 15218
Flow direction Non-reversible Operating medium Ce marking (see declaration of conformity) Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Non-reversible Operation with oil lubrication possible (required for further use) Non-reversible Non-substance Non-subs	Manual override	Non-detenting
Symbol 00991308 Switching time off 9 ms On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Type of control	Direct
Switching time off 9 ms On switching time 11 ms Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Flow direction	Non-reversible
Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media CE marking (see declaration of conformity) As per EU low voltage directive	Symbol	00991308
Duty cycle 100% Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Switching time off	9 ms
Coil characteristics 110 V DC: 6.3 W 230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	On switching time	11 ms
230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA 230 V AC: 60 Hz, initial power 12.0 VA, holding power 7.6 VA Permissible frequency fluctuations +/- 10% Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Duty cycle	100%
Permissible voltage fluctuations +/- 10 % Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Coil characteristics	230 V AC: 50 Hz, initial power 14.5 VA, holding power 10.5 VA
Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) CE marking (see declaration of conformity) As per EU low voltage directive	Permissible frequency fluctuations	+/- 10%
Information on operating and pilot media Operation with oil lubrication possible (required for further use) As per EU low voltage directive	Permissible voltage fluctuations	+/- 10 %
CE marking (see declaration of conformity) As per EU low voltage directive	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC) 2 - Moderate corrosion stress	CE marking (see declaration of conformity)	As per EU low voltage directive
	Corrosion resistance class (CRC)	2 - Moderate corrosion stress

Feature	Value
Temperature of medium	-15 °C 80 °C
Ambient temperature	-15 °C 50 °C
Product weight	140 g
Electrical connection	Form A as per DIN EN 175301-803
Type of mounting	On sub-base With through-hole
Pneumatic connection 1	Sub-base
Pneumatic connection 2	Sub-base Sub-base
Pneumatic connection 3	Not ducted
Note on materials	RoHS-compliant
Seals material	FPM