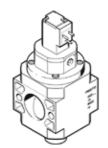
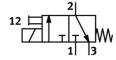
start valve HEE-D-MINI-24-EX Part number: 536680

FESTO

For service units, without threaded connection plates with FRB threaded pin $\,$





Data sheet

Spealing principle Soft	Feature	Value
Sealing principle Exhaust air function Anot throttleable Manual override detenting Type of Piloting Type of Piloting Valve function 3/2 closed, monostable Working pressure 2.516 bar Duty cycle 100% Characteristic coil data 24 V DC: 2,5W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Corrosion resistance classification CRC 2 Ambient temperature 1060 °C Ambient temperature 11060 °C Ambient temperature 11060 °C Authorization Germanischer Lloyd ATEX category Gas Explosion ignition protection type Gas Explosion ignition protection type Gas Explosion ignition protection type Bust Explosion ignition protection type Bust Explosion game from abien temperature 11060 °C Line installation Mounting type Line installation Mounting type Line installation Mounting type Line installation Mounting type Line installation Product weight	Design structure	Piston slide
Exhaust-air function Manual override Manual override Manual override Manual override Metenting Type of reset Mechanical spring Move of piloting Move of perating and pilot medium Move on operating and pilot medium Move on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC Move of Dear of the perature Move of the perature of the perature Move of the perature of the perature Move of the perature of the peratur	Type of actuation	electrical
Manual override Type of reset Type of piloting Piloted Valve function 3/2 closed, monostable Working pressure 2.5 16 bar Duty cycle 100% Characteristic coil data 24V DC: 2,5W Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Ocrossion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature 1-10 60 °C Authorization ATEX category Gas II 3G Explosion ignition protection type Gas ATEX category Dust Explosion-proof ambient temperature 1-10 60 °C Explosion-proof ambient temperature 1-10 60 °C Les to A22 IP65 T130°C X Explosion-proof ambient temperature 1-10°C <= Ta <= +60°C CE symbol (see declaration of conformity) Mounting type Line installation With accessories Assembly position Any Flow direction Power and the Nary Power and the Nary Power and the Nary Power and the Nary Power and the Explosion in the Explosion in temperature 1-10°C <= Ta <= +60°C Cesymbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Power and the Nary Power with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Sealing principle	soft
Type of reset Type of piloting Type of piloting Piloted Type of piloting Piloted 3/2 closed, monostable Working pressure 2.5 16 bar Duty cycle 100% Characteristic coil data 24V DC: 2,5W Permissible voltage fluctuation 4/- 10 % Operating medium Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature 10 60 °C Authorization Germanischer Lloyd ATEX category Gas Il 3G Explosion ignition protection type Gas ATEX category Dust Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion-proof ambient temperature 10 60 °C CE symbol (see declaration of conformity) ASE Sembly position Any Flow direction Product weight Product weight Product weight Product weight Product weight Product to the North Explosion ignificance on non reversible Product weight Product weight Product weight Product to the North Explosion ignificance on non reversible Product weight Product weight Product weight Product weight Product is supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Exhaust-air function	not throttleable
Type of piloting Valve function 3/2 closed, monostable Vorking pressure 2.5 16 bar Duty cycle 100% Characteristic coil data 24V DC: 2,5W Permissible voltage fluctuation 4/- 10 % Operating medium Compressed air in accordance with 1508573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Conforms to ROHS Materials note Conforms to ROHS Materials note Materials note Materials note Mathorization Germanischer Lloyd ATEX category Gas II 3G Explosion ignition protection type Gas ATEX category Dust Explosion-proof ambient temperature 1.0° C	Manual override	detenting
Valve function 3/2 closed, monostable Working pressure 2.5 16 bar Duty cycle 100% Characteristic coil data 24V DC: 2,5W Permissible voltage fluctuation 4/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to ROHS Medium temperature 1-060 °C Authorization Germanischer Lloyd ATEX category Gas Ex nA II T4 X ATEX category Gas Ex nA II T4 X ATEX category Dust II 3D Explosion ignition protection type Gas Ex to A22 IP65 T130°C X Explosion ignition protection type Dust Explosion ignition protection ty	Type of reset	mechanical spring
Working pressure 2.5 16 bar Duty cycle 100% Characteristic coil data 24V DC: 2,5W Permissible voltage fluctuation +/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature -10 60 °C Authorization Germanischer Lloyd ATEX category Gas II 3G Explosion ignition protection type Gas Ex na II 14 X ATEX category Dust III 3D Explosion ignition protection type Dust Ex 10 A22 [P65 T130°C X Explosion-proof ambient temperature -10°C C= Ta c+60°C C symbol (see declaration of conformity) according to EU-Ex protection guideline (ATEX) Mounting type Line installation with accessories Assembly position Protection port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Plot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Type of piloting	Piloted
Duty cycle Characteristic coil data 24V Dc: 2,5W Permissible Vottage fluctuation 4/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature -10 60 °C Ambient temperature -10 60 °C Authorization Germanischer Lloyd ATEX category Gas II 3G Explosion ignition protection type Gas Ex nA II T4 X ATEX category Dust Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection temperature -10°C c= Ta c= +60°C CE symbol (see declaration of conformity) Any Mounting type Line installation with accessories Assembly position Any Flow direction non reversible Product weight Product weight Product weight Product weight Product weight Product see the conformation of the conformation of the conformation of the conformation of the permission of th	Valve function	3/2 closed, monostable
Characteristic coil data Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature -10 60 °C Authorization Germanischer Lloyd ATEX category Gas Il 3G Explosion ignition protection type Gas Explosion ignition protection type Bust Explosion-proof ambient temperature -10 °C ← Ta < +60 °C Explosion-proof ambient temperature -10 °C ← Ta < +60 °C Explosion-proof ambient temperature -10 °C ← Ta < +60 °C Explosion ignition protection for one of more in the protection with accessories Assembly position Any Flow direction Product weight 223 g Pneumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Plus Per DIN En 175301-803 Design C Materials information for seals	Working pressure	2.5 16 bar
Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature -10 60 °C Ambient temperature -10 60 °C Ambient temperature -10 60 °C Ambient temperature -11 60 °C Ambient temperature -12 60 °C Ambient temperature -13 60 °C Ambient temperature -14 60 °C Ambient temperature -15 60 °C -16 80 °C -17 80 °C -18 80 °C -18 80 °C -19 80 °C -10	Duty cycle	100%
Operating medium Compressed air in accordance with ISO8573-1;2010 [7:4:4]	Characteristic coil data	24V DC: 2,5W
Note on operating and pilot medium Inert gases Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature -10 60 °C Ambient temperature -10 60 °C Anthorization Germanischer Lloyd ATEX category Gas II 3G Explosion ignition protection type Gas Ex nA II T4 X ATEX category Dust II 3D Explosion ignition protection type Dust Ex tb A22 IP65 T130°C X Explosion proof ambient temperature -10°C ← Ta ← +60°C CE symbol (see declaration of conformity) according to EU-Ex protection guideline (ATEX) Mounting type Line installation with accessories Assembly position Any Flow direction non reversible Product weight 223 g Pneumatic connection, port 3 G1/8 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materia	Permissible voltage fluctuation	+/- 10 %
Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 2 Materials note Conforms to RoHS Medium temperature -10 60 °C Ambient temperature -10 60 °C Authorization Germanischer Lloyd ATEX category Gas II 3G Explosion ignition protection type Gas Ex nA II T4 X ATEX category Dust II 3D Explosion ignition protection type Dust Ex tD A22 IP65 T130°C X Explosion-proof ambient temperature -10°C ← Ta ← +60°C CE symbol (see declaration of conformity) according to EU-Ex protection guideline (ATEX) Mounting type Line installation Assembly position Any Flow direction non reversible Product weight 223 g Pneumatic connection, port 3 G1/8 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR <td rowspan="2">Operating medium</td> <td>Compressed air in accordance with ISO8573-1:2010 [7:4:4]</td>	Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Operation) Corrosion resistance classification CRC 2 Materials note		Inert gases
Materials note Medium temperature Ambient temperature Authorization Germanischer Lloyd ATEX category Gas Explosion ignition protection type Gas Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion ignition protection type Dust Explosion-proof ambient temperature -10°° <= Ta <= +60°C CE symbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Product weight Preduct weight Preduct weight Preduct weight Preduct sat output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR	Note on operating and pilot medium	
Medium temperature Ambient temperature Anthorization Germanischer Lloyd ATEX category Gas II 3G Explosion ignition protection type Gas ATEX category Dust Explosion ignition protection type Dust Explosion-proof ambient temperature -10°C (= Ta (= +60°C) CE symbol (see declaration of conformity) Assembly position Mounting type Line installation with accessories Assembly position Any Flow direction Product weight 223 g Pneumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Corrosion resistance classification CRC	2
Ambient temperature Authorization AITEX category Gas Explosion ignition protection type Gas Explosion ignition protection type Dust Explosion protection type Dust Explosion protection type Gas Explosion proof ambient temperature -10°C <= Ta <= +60°C CE symbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Product weight 223 g Pneumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Materials information for seals NBR	Materials note	Conforms to RoHS
Authorization ATEX category Gas Explosion ignition protection type Gas Explosion ignition protection type Gas Explosion ignition protection type Dust Explosion ignition protection guideline (ATEX) Explosion ignition of conformity) According to EU-Ex protection guideline (ATEX) Line installation with accessories Any Flow direction Any Flow direction Product weight 223 g Pneumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Medium temperature	-10 60 °C
ATEX category Gas Explosion ignition protection type Gas Ex nA II T4 X ATEX category Dust II 3D Explosion ignition protection type Dust Ex tD A22 IP65 T130°C X Explosion-proof ambient temperature -10°C ← Ta ← +60°C CE symbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Product weight Product weight Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Ambient temperature	-10 60 °C
Explosion ignition protection type Gas Ex nA II T 4 X ATEX category Dust II 3D Explosion ignition protection type Dust Ex tD A22 IP65 T130°C X Explosion-proof ambient temperature -10°C ⟨= Ta ⟨= +60°C CE symbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Product weight 223 g Pneumatic connection, port 3 Air purity class at output Flot air supply Flot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Authorization	Germanischer Lloyd
ATEX category Dust Explosion ignition protection type Dust Ex tD A22 IP65 T130°C X Explosion-proof ambient temperature -10°C ← Ta ← +60°C CE symbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Product weight Product weight Premartic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	ATEX category Gas	II 3G
Explosion ignition protection type Dust Ex tD A22 IP65 T130°C X Explosion-proof ambient temperature -10°C <= Ta <= +60°C CE symbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Product weight Product weight Presumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Ext D A22 IP65 T130°C X -10°C <= Ta <= +60°C	Explosion ignition protection type Gas	Ex nA II T4 X
Explosion-proof ambient temperature -10°C ← Ta ← +60°C CE symbol (see declaration of conformity) Mounting type Line installation with accessories Assembly position Any Flow direction Product weight Product weight Preumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	ATEX category Dust	II 3D
Assembly position Flow direction Product weight Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Internal Electrical connection Pilug Per DIN EN 175301-803 Design C Materials information for seals According to EU-Ex protection guideline (ATEX) Line installation with accessories Any Line installation with accessories Any Any Flow direction Pon reversible Cannot reversible Compressed air in accordance with ISO8573-1:2010 [7:4:4] Internal Fleetrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals	Explosion ignition protection type Dust	Ex tD A22 IP65 T130°C X
Mounting type Line installation with accessories Assembly position Any Flow direction Product weight Product weight 223 g Pneumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR	Explosion-proof ambient temperature	-10°C <= Ta <= +60°C
with accessories Assembly position Any Flow direction Product weight Product weight 223 g Pneumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals WBR	CE symbol (see declaration of conformity)	according to EU-Ex protection guideline (ATEX)
Assembly position Flow direction Product weight Product weight Preumatic connection, port 3 Air purity class at output Flow direction F	Mounting type	Line installation
Flow direction non reversible Product weight 223 g Pneumatic connection, port 3 G1/8 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR		with accessories
Product weight Product weight Preumatic connection, port 3 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR	Assembly position	Any
Pneumatic connection, port 3 G1/8 Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR	Flow direction	non reversible
Air purity class at output Compressed air in accordance with ISO8573-1:2010 [7:4:4] Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR	Product weight	223 g
Inert gases Pilot air supply Internal Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals Inert gases Internal Int	Pneumatic connection, port 3	G1/8
Pilot air supply Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals Internal Plug Per DIN EN 175301-803 Design C	Air purity class at output	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Electrical connection Plug Per DIN EN 175301-803 Design C Materials information for seals NBR		Inert gases
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Design C Materials information for seals NBR	Electrical connection	
Materials information for seals NBR		
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	Materials information, housing	Aluminum die cast