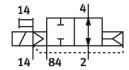
## Solenoid valve CDVI5.0-MT2H-1X2OLS-EXT

**FESTO** 

Part number: 556380





## **Data sheet**

General operating condition

Electric	Feature	Value
Standard nominal flow rate (standardised to DIN 1343) 300 l/min pneumatic working port Operating pressure Design Piston gate valve Type of reset Nominal size Saling principle Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Symbol Note on forced dynamization Pilot pressure Switching time off Switching time on Operating medium Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC Ambient temperature Flow design of mounting Side-base Pilot experiment Pilot persure Sore - 50°C Ambient temperature Sore - 50°C Ambient temperature Sore - 50°C Ambient temperature Prote mounting Screw-in Pilot base Peneumatic connection, port 1 Sub-base Peneumatic connection, port 2 Sub-base Prepuratic Ambies Sub-base Premumatic connection, port 2	Valve function	2/2 open, monostable
pneumatic working port Operating voltage Operating pressure Operating operating pressure Operating operating pressure Operating operating and pilot medium Operating and pilot medium Operating and pilot medium Operating	Type of actuation	Electric
Operating voltage 24V DC Operating pressure -0.9 bar 10 bar Design Piston gate valve Type of reset Pneumatic spring Nominal size 5 mm Exhaust-air function With flow control option Sealing principle Soft Manual override Non-detenting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992126 Note on forced dynamization Switching frequency min. 1/month Pilot pressure 3 bar 8 bar by alue 0.34 C value 2.05 1/sbar Switching time on 10 ms Switching time on 10 ms Operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 3 -high corrosion stress Labs (PWIS) conformity VDMA24364-B2-L Media temperature -5 °C 50 °C Ambient temperature -5 °C 50 °C Product weight 185 g Type of mounting Pressure Sub-base Pneumatic connection, port 2 Sub-base	Standard nominal flow rate (standardised to DIN 1343)	300 l/min
Operating pressure     -0.9 bar 10 bar       Design     Piston gate valve       Type of reset     Pneumatic spring       Nominal size     5 mm       Exhaust-air function     With flow control option       Sealing principle     Soft       Manual override     Non-detenting       Type of piloting     Pilot actuated       Pilot air supply     External       Flow direction     Reversible       Symbol     00992126       Note on forced dynamization     Switching frequency min. 1/month       Pilot pressure     3 bar 8 bar       b value     0.34       C value     2.05 I/sbar       Switching time off     14 ms       Switching time on     10 ms       Operating medium     Compressed air to ISO 8573-1:2010 [7:4:4]       Note on operating and pilot medium     Lubricated operation possible (in which case lubricated operation will always be required)       Corrosion resistance class CRC     3 - high corrosion stress       LABS (PWIS) conformity     VDMA24364-B2-L       Media temperature     -5 °C 50 °C       Ambient temperature     -5 °C 50 °C       Product weight     185 g       Type of mounting     Screw-in       Pilot exhaust port 82/84     Sub-base       Pneumatic connection, port 2     Sub-	pneumatic working port	Sub-base
Design Piston gate valve Type of reset Pneumatic spring Nominal size 5 mm  Exhaust-air function With flow control option Sealing principle Soft Manual override Non-detenting Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992126 Note on forced dynamization Switching frequency min. 1/month Pilot pressure 3 bar 8 bar b value 0.34 C value 2.05 I/sbar Switching time off 14 ms Switching time on 10 ms Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 3 -high corrosion stress LABS (PWIS) conformity VDMA24364-B2-L Media temperature 5 °C 50 °C Ambient temperature 5 °C 50 °C Ambient temperature 5 °C 50 °C Product weight 185 g Type of mounting Screw-in Pliot exhaust port 82/84 Pneumatic connection, port 2 Sub-base	Operating voltage	24V DC
Type of reset  Nominal size  S mm  Exhaust-air function  With flow control option  Sealing principle  Soft  Non-detenting  Type of piloting  Pilot actuated  Pilot air supply  External  Flow direction  Reversible  Symbol  Note on forced dynamization  Switching time on  Operating medium  Operating medium  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  Wodas to Freduct weight  185 g  Type of mounting  Pilot actuated  Switching frequency min. 1/month  Switching frequency min. 1/month  Switching frequency min. 1/month  1 d ms  Switching time off  14 ms  Switching time on  10 ms  Operating and pilot medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  5 °C 50 °C  Ambient temperature  5 °C 50 °C  Product weight  185 g  Type of mounting  Pilot exhaust port 82/84  Sub-base  Pneumatic connection, port 1  Sub-base	Operating pressure	-0.9 bar 10 bar
Nominal size 5 mm  Exhaust-air function With flow control option  Sealing principle Soft  Manual override Non-detenting Type of piloting Pilot actuated  Pilot air supply External  Flow direction Reversible  Symbol 00992126  Note on forced dynamization Switching frequency min. 1/month  Pilot pressure 3 bar 8 bar bvalue 0.34  C value 0.34  C value 2.05 l/sbar  Switching time off 14 ms  Switching time on 10 ms  Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC 3 - high corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L  Media temperature 5 °C 50 °C  Ambient temperature 5 °C 50 °C  Ambient temperature 5.5 °C 50 °C  Product weight 185 g  Product weight 185 g  Pilot exhaust port 82/84  Pneumatic connection, port 2  Sub-base  Pneumatic connection, port 2	Design	Piston gate valve
Exhaust-air function  Sealing principle  Soft  Manual override  Non-detenting  Pilot actuated  Pilot air supply  External  Flow direction  Note on forced dynamization  Pilot pressure  b value  0.34  C value  2.05 l/sbar  Switching time on  Operating medium  Note on operating and pilot medium  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  With flow control option  With flow control option  Soft  Soft  Non-detenting  Pilot actuated  Product weight  15 - 5 ° C 50 ° C  Product weight  Type of mounting  Proumatic connection, port 1  Poly of pilot actuated  Non-detenting  Non-detenting  Non-detenting  Pilot actuated  Non-detenting  Pilot ac	Type of reset	Pneumatic spring
Sealing principle  Manual override  Non-detenting  Pilot actuated  Pilot air supply  External  Flow direction  Reversible  Symbol  Note on forced dynamization  Pilot aperating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  Anbient temperature  Anbient temperature  Product weight  Type of mounting  Pilot actuated  Non-detenting  Pilot actuated  Non-detenting  Pilot actuated  Preumatic connection, port 1  Soft  Non-detenting  Pilot actuated  Preumatic connection, port 2  Soft  Non-detenting  Pilot actuated  Preumatic connection, port 2  Soft  Sub-base  Preumatic connection, port 2  Soft  Sub-base  Preumatic connection, port 2  Soft  Sub-base  Preumatic connection, port 2  Soft  Soft  Non-detenting  Pilot actuated  Pilot ac	Nominal size	5 mm
Manual override Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol O0992126 Note on forced dynamization Switching time on Operating medium Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC ABS (PWIS) conformity Wedia temperature Ambient temperature Product weight Type of mounting Pilot exhaust port 82/84 Pneumatic connection, port 1 Pilot actuated Poog92126 Pilot actuated Pilot actuated Pilot actuated Prevaitable Pilot actuated Pilot actuat	Exhaust-air function	With flow control option
Type of piloting Pilot actuated Pilot air supply External Flow direction Reversible Symbol 00992126 Note on forced dynamization Switching frequency min. 1/month Pilot pressure 3 bar 8 bar b value 0.34 C value 2.05 l/sbar Switching time off 14 ms Switching time on 10 ms Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium laways be required) Corrosion resistance class CRC 3 - high corrosion stress LABS (PWIS) conformity VDMA24364-B2-L Media temperature -5° C 50° C Ambient temperature -5° C 50° C Product weight 185 g Type of mounting Pilot exhaust port 82/84 Pneumatic connection, port 1 Sub-base Pneumatic connection, port 2 Sub-base	Sealing principle	Soft
Pilot air supply Flow direction Reversible Symbol O0992126 Note on forced dynamization Switching frequency min. 1/month Pilot pressure 3 bar 8 bar b value 0.34 C value 2.05 l/sbar Switching time off 14 ms Switching time off 10 ms Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Lubricated operating possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 3 - high corrosion stress LABS (PWIS) conformity VDMA24364-B2-L Media temperature -5° C 50° C Ambient temperature -5° C 50° C Product weight 185 g Type of mounting Pilot exhaust port 82/84 Pneumatic connection, port 1 Sub-base Pneumatic connection, port 2 Sub-base	Manual override	Non-detenting
Flow direction  Reversible  Symbol  00992126  Note on forced dynamization  Switching frequency min. 1/month  Pilot pressure  3 bar 8 bar  b value  0.34  C value  2.05 l/sbar  Switching time off  14 ms  Switching time on  10 ms  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Type of piloting	Pilot actuated
Symbol 00992126  Note on forced dynamization Switching frequency min. 1/month  Pilot pressure 3 bar 8 bar  b value 0.34  C value 2.05 l/sbar  Switching time off 14 ms  Switching time on 10 ms  Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC 3 - high corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L  Media temperature -5°C 50°C  Ambient temperature -5°C 50°C  Product weight 185 g  Type of mounting Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Pilot air supply	External
Note on forced dynamization  Switching frequency min. 1/month  3 bar 8 bar  b value  0.34  C value  2.05 l/sbar  Switching time off  14 ms  Switching time on  10 ms  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Flow direction	Reversible
Pilot pressure  3 bar 8 bar  0.34  C value  2.05 l/sbar  Switching time off  14 ms  Switching time on  10 ms  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 ° C 50 ° C  Ambient temperature  -5 ° C 50 ° C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Symbol	00992126
b value 0.34  C value 2.05 l/sbar  Switching time off 14 ms  Switching time on 10 ms  Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC 3 - high corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L  Media temperature -5 °C 50 °C  Ambient temperature -5 °C 50 °C  Product weight 185 g  Type of mounting Screw-in  Pilot exhaust port 82/84 Sub-base  Pneumatic connection, port 1 Sub-base  Pneumatic connection, port 2 Sub-base	Note on forced dynamization	Switching frequency min. 1/month
C value  2.05 l/sbar  Switching time off  14 ms  Switching time on  10 ms  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Pilot pressure	3 bar 8 bar
Switching time off  Switching time on  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	b value	0.34
Switching time on 10 ms  Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC 3 - high corrosion stress  LABS (PWIS) conformity VDMA24364-B2-L  Media temperature -5 °C 50 °C  Ambient temperature -5 °C 50 °C  Product weight 185 g  Type of mounting Screw-in  Pilot exhaust port 82/84 Sub-base  Pneumatic connection, port 1 Sub-base  Pneumatic connection, port 2 Sub-base	C value	2.05 l/sbar
Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Switching time off	14 ms
Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  3 - high corrosion stress  VDMA24364-B2-L  Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Switching time on	10 ms
always be required)  Corrosion resistance class CRC  3 - high corrosion stress  LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity  VDMA24364-B2-L  Media temperature  -5 ° C 50 ° C  Ambient temperature  -5 ° C 50 ° C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Note on operating and pilot medium	
Media temperature  -5 °C 50 °C  Ambient temperature  -5 °C 50 °C  Product weight  185 g  Type of mounting  Screw-in  Pilot exhaust port 82/84  Pneumatic connection, port 1  Sub-base  Pneumatic connection, port 2  Sub-base	Corrosion resistance class CRC	3 - high corrosion stress
Ambient temperature -5 °C 50 °C  Product weight 185 g  Type of mounting Screw-in  Pilot exhaust port 82/84 Sub-base  Pneumatic connection, port 1 Sub-base  Pneumatic connection, port 2 Sub-base	LABS (PWIS) conformity	VDMA24364-B2-L
Product weight 185 g  Type of mounting Screw-in  Pilot exhaust port 82/84 Sub-base  Pneumatic connection, port 1 Sub-base  Pneumatic connection, port 2 Sub-base	Media temperature	-5 °C 50 °C
Type of mounting Screw-in Pilot exhaust port 82/84 Sub-base Pneumatic connection, port 1 Sub-base Pneumatic connection, port 2 Sub-base	Ambient temperature	-5 °C 50 °C
Pilot exhaust port 82/84 Sub-base Pneumatic connection, port 1 Sub-base Pneumatic connection, port 2 Sub-base	Product weight	185 g
Pneumatic connection, port 1 Sub-base Pneumatic connection, port 2 Sub-base	Type of mounting	Screw-in
Pneumatic connection, port 2 Sub-base	Pilot exhaust port 82/84	Sub-base
· · · · · · · · · · · · · · · · · · ·	Pneumatic connection, port 1	Sub-base
Pneumatic connection, port 3 Sub-base	Pneumatic connection, port 2	Sub-base
	Pneumatic connection, port 3	Sub-base

Feature	Value
Pneumatic connection, port 4	Sub-base
Pneumatic connection, port 5	Sub-base
Note on materials	RoHS-compliant
Material seals	NBR TPE-O
Material housing	Die-cast aluminium