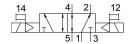
## Solenoid valve VUVG-BK10-B52-T-F-1H2L-S

**FESTO** 

Part number: 8042556





## **Data sheet**

ype of actuation   Electric	Feature	Value
Ask size 10 mm  Standard nominal flow rate 160 l/min  Deparating voltage 24V DC  Operating operating pressure 0.15 MPa 0.7 MPa  Deparating pressure 1.5 bar 7 bar  Design Piston slide with sealing ring  Supproval CUL us - Recognized (OL)  Startificate issuing authority UL MH19482  Degree of protection P40  Schaust-air function With flow control option  Schaust-air function Optional  Annual override Detenting  Piot actuated Non-detenting  Piot actuated Indicated Schause Oppional  Annual override Detenting  Non-detenting  Piot actuated Indicated Schause Oppional  Non-reversible Oppional  Non-reversible Oppional  Ask witching frequency 2 Hz  With flow control option Schaust-air function Schaust-air function Oppional  Annual override Detenting Non-detenting Piot actuated Indicated Schause Oppional  Non-reversible Oppional Opp	Valve function	5/2 double solenoid
istandard nominal flow rate incumatic working port incumatic working pressure  0.15 MPa 0.7 MPa  Operating pressure 1.5 bar 7 bar  Piston slide with sealing ring cut us - Recognized (OL)  UL with 19482  Design incumatic working authority UL MH19482  UL with 19482  UL with 19482  Design With flow control option  Sealing principle Soft  Anounting position Optional  Annual override Detenting Non-detenting Vipe of piloting Internal Individual working Internal Internal Individual working Internal Indi	Type of actuation	Electric
Insumatic working port Inlange Operating voltage Operating pressure Operating opera	Valve size	10 mm
Deperating voltage Deperating pressure Deperating pressure Deperating pressure Deperating pressure Deperating pressure Deperating pressure Design Piston slide with sealing ring CUL us - Recognized (OL) Design Deperating authority UL MH19482 Degree of protection DP40 Design With flow control option Design Optional Des	Standard nominal flow rate	160 l/min
Departing pressure Departing	pneumatic working port	Flange
Departing pressure  1.5 bar 7 bar Piston slide with sealing ring CUL us - Recognized (OL) UL MH19482  Degree of protection Pl40  Avanuarian function With flow control option Sealing principle Annual override Annual override Pilot actuated Pil	Operating voltage	24V DC
Piston slide with sealing ring  Cultus - Recognized (OL)  Lertificate issuing authority  UL MH19482  Degree of protection  IP40  With flow control option  Schaust-air function  With flow control option  Soft  Anoual override  Anoual override  Detenting Non-detenting  Pilot actuated  Pilot actuated  Positive overlap  Jow direction  Anoual oversible  Sognal status display  LED  Anax. switching frequency  2 Hz  Withing time reversal  Anax. positive test pulse with 0 signal  Anax. negative test pulse with 1 signal  Anax. negative test pulse with 1 signal  Permissible voltage fluctuations  Permissible voltage fluctuations  Lubricated operating and pilot medium  With flow control option  UL MH19482	Operating pressure	0.15 MPa 0.7 MPa
c UL us - Recognized (OL)  certificate issuing authority  UL MH19482  Degree of protection  IP40  With flow control option  Sealing principle  Soft  Mounting position  Annual override  Detenting Non-detenting  Pilot actuated  Positive overlap  Signal status display  LED  Anx. switching frequency  With 10 Signal  Anx. switching time reversal  Anx. positive test pulse with 0 signal  Anx. negative test pulse with 1 signal  Permissible voltage fluctuations  Permissible voltage fluctuations  Permissible voltage fluctuations  Pransport application test with severity level 1 to FN 942017-4 and EN 60068-2-6  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Operating pressure	1.5 bar 7 bar
Certificate issuing authority  Degree of protection  Degree of protection  With flow control option  Soft  Mounting position  Manual override  Delenting Non-detenting Pilot actuated Pilot air supply Internal  Non-reversible  Domybol  Dom	Design	Piston slide with sealing ring
Degree of protection IP40  Exhaust-air function With flow control option  Soft  Adounting position optional  Annual override Detenting Non-detenting Non-detenting Pilot actuated Pilot air supply Internal  Blow direction Non-reversible Owner of the supply Internal  Blow direction Non-reversible Owner of the supply IEED  Axx. switching frequency 2 Hz  Switching frequency 2 Hz  Axx. switching frequency 2 Hz  Axx. positive test pulse with 0 signal 1600 µs  Axx. negative test pulse with 1 signal 3000 µs  Characteristic coil data 24 V DC: 0.8 W  Permissible voltage fluctuations +/- 10 %  Deparating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Libraction resistance Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Approval	c UL us - Recognized (OL)
ixhaust-air function Sealing principle Soft Mounting position Annual override Detenting Non-detenting Ype of piloting Pilot actuated Pilot air supply Internal Sow direction Non-reversible Soymbol O0992897 Sophol	Certificate issuing authority	UL MH19482
Sealing principle  Mounting position  Annual override  Detenting Non-detenting Pilot actuated Pilot actuated Pilot air supply Internal  Non-reversible Symbol  O0992897  App Positive overlap  EED  Max. switching frequency Switching time reversal  Thus  Daty cycle  Max. positive test pulse with 0 signal  Max. negative test pulse with 1 signal  Characteristic coil data  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Deperating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Fibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Degree of protection	IP40
Manual override Detenting Non-detenting Pilot actuated Detenting Non-detenting Pilot air supply Internal Non-reversible Symbol O0992897  ap Positive overlap Detenting Positive overlap Detenting Provided Provide	Exhaust-air function	With flow control option
Detenting Non-detenting  Pilot actuated Pilot air supply Internal Power die die supply Internal Power die die supply Internal Power die supply Internal Power die supply Positive overlap Positive overlap Positive overlap  EED Positive overlap  EED Positive overlap  IED Power die supply Power die supply Positive overlap  IED Positive overlap  IOO %  IOO %  IOO %  IOO W  IO	Sealing principle	Soft
Non-detenting Pilot actuated Pilot air supply Internal Non-reversible Symbol O0992897 Positive overlap Signal status display Max. switching frequency Switching frequency Switching time reversal Outy cycle Max. positive test pulse with 0 signal Max. negative test pulse with 1 signal Scharacteristic coil data Permissible voltage fluctuations Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Mounting position	optional
Internal Non-reversible Symbol O0992897  App Positive overlap LED Axx. switching frequency Switching time reversal Axx. positive test pulse with 0 signal Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse gluctuations Axx. negative test pulse with 0 signal Characteristic coil data Axx. negative test pulse with 0 signal Characteristic coil data Axx. negative test pulse with 0 signal Characteristic coil data Axx. negative test pulse with 0 signal Characteristic coil data Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse with 1 signal Characteristic coil data Axx. negative test pulse with 1 signal Axx. negative test pulse with 0 signal Axx. negative test pulse Axx. negativ	Manual override	
Non-reversible Symbol 00992897  ap Positive overlap  LED  Max. switching frequency 2 Hz Switching time reversal 7 ms Outy cycle 100%  Max. positive test pulse with 0 signal 1600 µs  Max. negative test pulse with 1 signal 3000 µs  Characteristic coil data 24 V DC: 0.8 W  Permissible voltage fluctuations +/- 10 %  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)  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Type of piloting	Pilot actuated
Positive overlap  Desitive overlap  LED  Max. switching frequency  2 Hz  Switching time reversal  7 ms  Duty cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse with 1 signal  Characteristic coil data  24 V DC: 0.8 W  Permissible voltage fluctuations  Permissible voltage fluctuations  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Pilot air supply	Internal
Positive overlap  LED  Max. switching frequency 2 Hz  Switching time reversal 7 ms  Outy cycle 100%  Max. positive test pulse with 0 signal 1600 μs  Max. negative test pulse with 1 signal 24 V DC: 0.8 W  Permissible voltage fluctuations 4/- 10 %  Operating medium Compressed air to ISO 8573-1:2010 [7:4:4]  Note on operating and pilot medium  Vibration resistance Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Flow direction	Non-reversible
LED  Max. switching frequency  2 Hz  Switching time reversal  7 ms  Outy cycle  100%  Max. positive test pulse with 0 signal  Max. negative test pulse with 1 signal  Characteristic coil data  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Author on operating and pilot medium  Wibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Symbol	00992897
Max. switching frequency Switching time reversal 7 ms Outy cycle 100% Max. positive test pulse with 0 signal 1600 μs Max. negative test pulse with 1 signal 24 V DC: 0.8 W Permissible voltage fluctuations 1-/- 10 % Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Unbricated operation possible (in which case lubricated operation will always be required)  Vibration resistance Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	lap	Positive overlap
Fixed to the process of the process	Signal status display	LED
Outy cycle     100%       Max. positive test pulse with 0 signal     1600 μs       Max. negative test pulse with 1 signal     3000 μs       Characteristic coil data     24 V DC: 0.8 W       Permissible voltage fluctuations     +/- 10 %       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)       Vibration resistance     Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Max. switching frequency	2 Hz
Max. positive test pulse with 0 signal  Max. negative test pulse with 1 signal  3000 µs  Characteristic coil data  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  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)  Vibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Switching time reversal	7 ms
Max. negative test pulse with 1 signal  Characteristic coil data  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Vibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Duty cycle	100%
Characteristic coil data  24 V DC: 0.8 W  Permissible voltage fluctuations  +/- 10 %  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)  Vibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Max. positive test pulse with 0 signal	1600 μs
Permissible voltage fluctuations +/- 10 %  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)  Vibration resistance Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Max. negative test pulse with 1 signal	3000 μs
Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  //ibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Characteristic coil data	24 V DC: 0.8 W
Note on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  //ibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Permissible voltage fluctuations	+/- 10 %
always be required)  /ibration resistance  Transport application test with severity level 1 to FN 942017-4 and EN 60068-2-6	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
60068-2-6	Note on operating and pilot medium	
AL 1 M	Vibration resistance	
shock resistance Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27	Shock resistance	Shock test with severity level 1 to FN 942017-5 and EN 60068-2-27

Feature	Value
Corrosion resistance class CRC	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Media temperature	-5 °C 50 °C
Pilot medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature	-5 ℃ 50 ℃
Product weight	57 g
Electrical connection	2-pin Plug pattern H, horizontal connection Plugs
Type of mounting	On manifold rail With through-hole
Pneumatic connection, port 2	Flange
Pneumatic connection, port 4	Flange
Note on materials	RoHS-compliant
Material seals	HNBR NBR
Material housing	Wrought aluminium alloy