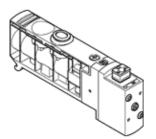
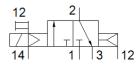
## Solenoid valve VUVB-S-M32C-AZD-Q10-2AC1 Part number: 537573

**FESTO** 

For connection plate or terminal strip, with solenoid coil and manual override, without socket.

This type is suitable for vacuum.





## **Data sheet**

| Working pressure Design structure Piston slide Type of piloting Pilot piloting Pilot piloting Pilot piloting Pilot piloting Pilot pressure 2 8 bar  Switching time off Swired strength Design structure  -0.9 8 bar  Piston slide Piston slide Piston slide Air spring Pieston Air spring Pieston Nominal size 7 mm  Romman Nominal size 7 mm  Romman Nominal size 8 oft Any Any Any Manual override 9 detenting Pushing Piloted Pilot direction Non reversible Pilot pressure 2 8 bar Switching time off 20 ms Switching time on Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength Degree of contamination Permissible voltage fluctuation +/-10 % Operating medium Compressed air in accordance with  SO8573-1:2010 [7:4:4]   | Feature                                   | Value  |
|--|---|--|
| Valve size  Standard nominal flow rate  1,000 l/min  Working pressure  0.9 8 bar  Design structure  Piston silde  Type of reset  Protection class  IP65  Nominal size  T mm  Exhaust-air function  Sealing principle  Assembly position  Any  Manual override  detenting  Pushing  Type of piloting  Pilot air supply  external  Flow direction  Pilot pressure  Switching time on  Switching time on  Characteristic coil data  110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA  Surge strength  Degree of contamination  Permissible voltage fluctuation  Apermissible voltage fluctuation  Operating medium  Note on operating and pilot medium  CE symbol (see declaration of conformity)  CC corrosion resistance classification CRC  1  Storage temperature  Ambient temperature  Ambient temperature  Abusila symbol air port 12/14  Subbase  Mounting type  Munting type  Munting type  Munting type  With through hole  Auxiliary pilot air port 12/14  Subbase  Pilot exhaust port 84  Non-ducted   | Valve function                            | 3/2 closed, monostable   |
| Standard nominal flow rate  Working pressure  1-0.9 8 bar  Design structure Piston slide Type of reset Air spring Protection class Nominal size Tyme Exhaust-air function Sasembly position Any Manual override Bushing Type of piloting Pilot air supply Blood external Flow direction Pilot pressure Switching time of Characteristic coil data Surge strength Degree of contamination Permissible voltage fluctuation Permissible voltage fluctuation Deperating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] CE symbol (See declaration of conformity) CE symbol (see declaration of CRC Abusulting tome of Plug Makulting tome of CRC Abushing temperature Bushing CE symbol (See declaration of CRC Abushing temperature Abushing tome of Plug Makulting tome of CRC Abushing temperature Abushing temperature Abushing temperature Abushing temperature Abushing temperature Abushing temperature Abushing type Multilation of CRC Muunting type Multilation of CRC Munding type Multilation of CRC Multilation of Multilation of CRC Multilation of CRC Multilation of CRC Multil     | Type of actuation                         | electrical   |
| Working pressure   | Valve size                                | 20 mm  |
| Design structure Type of reset Air spring Protection class IP65 Nominal size 7 mm Exhaust-air function soft Assembly position Any Manual override Pushing Ploted Pushing Ploted Pushing Ploted Pushing Ploted Pushing Assembly position Any Manual override Pushing Ploted Pushing Ploted Pilot air supply external Row direction non reversible Pilot pressure 2 8 bar Switching time off 20 ms Switching time off 20 ms Switching time on Characteristic coil data 110 v Ac: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength Degree of contamination 3 Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) Corrosion resistance classification CRC 1 Storage temperature 20 40 °C Ambient temperature 3 50 °C Ambient temperature 4 5 50 °C Max. tightening torque, valve mounting Plug to EN 175301-803 Design C Mounting type Minunting type With through hole Auxiliary pilot air port 12/14 Pilot exhaust port 84 Non-ducted  | Standard nominal flow rate                | 1,000 l/min  |
| Type of reset Protection class Protection Product weight Product weight Protection Pro | Working pressure                          | -0.9 8 bar   |
| Protection class Nominal size Zhaust-air function Sealing principle Sealing Sealin | Design structure                          | Piston slide   |
| Nominal size 7 mm Exhaust-air function not throttleable Sealing principle soft Assembly position Any Manual override detenting Pushing Type of piloting Piloted Pilot air supply external Flow direction non reversible Pilot pressure 2 8 bar Switching time off Switching time off Switching time off Surfacturatistic coil data 110 V AC; 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV Degree of contamination 3 Permissible voltage fluctuation +/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Medium temperature -5 50 °C Medium temperature -5 50 °C Medium temperature -5 50 °C Medium temperature -7 50 °C Mounting type -7 50 °C Mounting   | Type of reset                             | Air spring   |
| Exhaust-air function Sealing principle Sealing principle Soft Assembly position Manual override detenting Pushing Type of piloting Pilot air supply external Flow direction non reversible Pilot pressure 2 8 bar Switching time off Sowitching time on Characteristic coil data 110 V Ac: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV Degree of contamination 3 Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) Ccrorsoion resistance classification CRC 1 Storage temperature 4-20 40 °C Medium temperature 4-5 50 °C Max. tightening torque, valve mounting Policy Policy Mounting type Mounting type With through hole Auxiliary pilot air port 12/14 Pilot exhaust port 84 Non-ducted   | Protection class                          | IP65   |
| Sealing principle Assembly position Anny Manual override  Manual override  Manual override  Manual override  Manual override  Pushing  Pushing  Piloted  Piloted  Piloted  Piloted  Piloted  Piloted  Pilot ar supply  external  Flow direction  Pilot pressure  2 8 bar  Switching time off  20 ms  Switching time on  Characteristic coil data  110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA  Surge strength  2.5 kV  Degree of contamination  3  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  CE symbol (see declaration of conformity)  according to EU low voltage guideline  Corrosion resistance classification CRC  1  Storage temperature  20 40 °C  Medium temperature  4 20 40 °C  Medium temperature  5 50 °C  Ambient temperature  4 5 50 °C  Max. tightening torque, valve mounting  Pushout weight  Libricated operation of Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Degree  Max. tightening torque, valve mounting  Plug  to EN 175301-803  Design C  Mounting type  Auxiliary pilot air port 12/14  Non-ducted  | Nominal size                              | 7 mm   |
| Assembly position  Manual override  detenting Pushing  Type of piloting  Piloted  Pi | Exhaust-air function                      | not throttleable   |
| Manual override Pushing Pushing Pushing Piloted Pilot air supply external Flow direction non reversible Pilot pressure 2 8 bar Switching time off Switching time on 20 ms Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV Degree of contamination 3 Permissible voltage fluctuation +/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Storage temperature -5 50 °C Ambient temperature -5 50 °C Max. tightening torque, valve mounting 150 g Flough Type Max. tightening torque, valve mounting 150 g Flough Type Mounting type with through hole Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | Sealing principle                         | soft   |
| Pushing Type of piloting Pilot air supply external Flow direction non reversible Pilot pressure 2 8 bar Switching time off 20 ms Switching time on Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV Degree of contamination 3 Permissible voltage fluctuation 4/- 10 % Operating medium Corpositing and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Storage temperature 4-20 40 °C Medium temperature 5 50 °C Ambient temperature 4-5 50 °C Max. tightening torque, valve mounting Plug to EN 175301-803 Design C Mounting type Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | Assembly position                         | Any  |
| Type of piloting Pilotair supply external Pilotair supply external non reversible Pilot direction non reversible Pilot pressure 2 8 bar Switching time off 20 ms Switching time on 20 ms Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV Degree of contamination 3 Permissible voltage fluctuation 4/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Storage temperature -5 50 °C Ambient temperature -5 50 °C Ambient temperature -5 50 °C Max. tightening torque, valve mounting 2 Nm Product weight 150 g Electrical connection Plug to EN 175301-803 Design C Mounting type with through hole Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | • •                                       | detenting  |
| Pilot air supply Flow direction non reversible Pilot pressure 2 8 bar Switching time off 20 ms Switching time on 20 ms Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV Degree of contamination Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Storage temperature -20 40 °C Medium temperature -5 50 °C Ambient temperature -5 50 °C Ambient temperature -5 50 °C Max. tightening torque, valve mounting Product weight Electrical connection Plug to EN 175301-803 Design C Mounting type Auxiliary pilot air port 12/14 Pilot exhaust port 84 Non-ducted   |   | Pushing  |
| Flow direction Pilot pressure 2 8 bar Switching time off 20 ms Switching time on 20 ms Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV Degree of contamination 3 Permissible voltage fluctuation Voperating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) Ccrossion resistance classification CRC 1 Storage temperature 20 40 °C Medium temperature 20 40 °C Max. tightening torque, valve mounting 2 Nm Product weight 150 g Electrical connection Plug to EN 175301-803 Design C Mounting type Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | Type of piloting                          | Piloted  |
| Pilot pressure 2 8 bar  Switching time off 20 ms  Switching time on 20 ms  Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA  Surge strength 2.5 kV  Degree of contamination 3  Permissible voltage fluctuation +/- 10 %  Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium coperation possible (subsequently required for further operation)  CE symbol (see declaration of conformity) according to EU low voltage guideline  Corrosion resistance classification CRC 1  Storage temperature -20 40 °C  Medium temperature -5 50 °C  Ambient temperature -5 50 °C  Ambient temperature -5 50 °C  Max. tightening torque, valve mounting 150 g  Electrical connection Plug to EN 175301-803 Design C  Mounting type with through hole  Auxiliary pilot air port 12/14  Pilot exhaust port 84  Non-ducted  | Pilot air supply                          | external   |
| Switching time off  Switching time on  20 ms  Characteristic coil data  110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA  Surge strength  2.5 kV  Degree of contamination  Permissible voltage fluctuation  Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  CE symbol (see declaration of conformity)  according to EU low voltage guideline  Corrosion resistance classification CRC  1  Storage temperature  -20 40 °C  Medium temperature  -5 50 °C  Ambient temperature  -5 50 °C  Max. tightening torque, valve mounting  Product weight  Electrical connection  Plug  to EN 175301-803  Design C  Mounting type  Auxiliary pilot air port 12/14  Subbase  Non-ducted  | Flow direction                            | non reversible   |
| Switching time on Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV  Degree of contamination 3 Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Storage temperature -20 40 °C Medium temperature -5 50 °C Ambient temperature -5 50 °C Max. tightening torque, valve mounting Product weight 150 g Electrical connection Plug to EN 175301-803 Design C Mounting type Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | Pilot pressure                            | 2 8 bar  |
| Switching time on Characteristic coil data 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA Surge strength 2.5 kV  Degree of contamination 3 Permissible voltage fluctuation Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Storage temperature -20 40 °C Medium temperature -5 50 °C Ambient temperature -5 50 °C Max. tightening torque, valve mounting Product weight 150 g Electrical connection Plug to EN 175301-803 Design C Mounting type Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | Switching time off                        | 20 ms  |
| Surge strength Degree of contamination 3 Permissible voltage fluctuation 4/- 10 % Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) CE symbol (see declaration of conformity) according to EU low voltage guideline Corrosion resistance classification CRC 1 Storage temperature -20 40 °C Medium temperature -5 50 °C Ambient temperature -5 50 °C Max. tightening torque, valve mounting Product weight 150 g Electrical connection Plug to EN 175301-803 Design C Mounting type Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted   | Switching time on                         | 20 ms  |
| Degree of contamination Permissible voltage fluctuation +/- 10 %  Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation)  CE symbol (see declaration of conformity) according to EU low voltage guideline  Corrosion resistance classification CRC 1  Storage temperature -20 40 °C  Medium temperature -5 50 °C  Ambient temperature -5 50 °C  Max. tightening torque, valve mounting Product weight 150 g  Electrical connection Plug to EN 175301-803 Design C  Mounting type with through hole  Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | Characteristic coil data                  | 110 V AC: 50/60 Hz, pick-up power 3.1 VA, holding power 2.2 VA |
| Permissible voltage fluctuation +/- 10 %  Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation)  CE symbol (see declaration of conformity) according to EU low voltage guideline  Corrosion resistance classification CRC 1  Storage temperature -20 40 °C  Medium temperature -5 50 °C  Ambient temperature -5 50 °C  Max. tightening torque, valve mounting 2 Nm  Product weight 150 g  Electrical connection Plug to EN 175301-803    Design C  Mounting type with through hole  Auxiliary pilot air port 12/14 Subbase  Pilot exhaust port 84  Non-ducted  | Surge strength                            | 2.5 kV   |
| Operating medium  Compressed air in accordance with ISO8573-1:2010 [7:4:4]  Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  CE symbol (see declaration of conformity)  according to EU low voltage guideline  Corrosion resistance classification CRC  1  Storage temperature  -20 40 °C  Medium temperature  -5 50 °C  Ambient temperature  -5 50 °C  Max. tightening torque, valve mounting  Product weight  150 g  Electrical connection  Plug to EN 175301-803 Design C  Mounting type  Auxiliary pilot air port 12/14  Subbase  Pilot exhaust port 84  Non-ducted  | Degree of contamination                   | 3  |
| Note on operating and pilot medium  Lubricated operation possible (subsequently required for further operation)  CE symbol (see declaration of conformity)  according to EU low voltage guideline  Corrosion resistance classification CRC  1  Storage temperature  -20 40 °C  Medium temperature  -5 50 °C  Ambient temperature  -5 50 °C  Max. tightening torque, valve mounting  Product weight  150 g  Electrical connection  Plug to EN 175301-803 Design C  Mounting type  Mounting type  Auxiliary pilot air port 12/14  Subbase  Pilot exhaust port 84  Non-ducted   | Permissible voltage fluctuation           | +/- 10 %   |
| operation)  CE symbol (see declaration of conformity) according to EU low voltage guideline  Corrosion resistance classification CRC 1  Storage temperature -20 40 °C  Medium temperature -5 50 °C  Ambient temperature -5 50 °C  Max. tightening torque, valve mounting 2 Nm  Product weight 150 g  Electrical connection Plug to EN 175301-803 Design C  Mounting type  Auxiliary pilot air port 12/14 Subbase  Pilot exhaust port 84 Non-ducted   | Operating medium                          | Compressed air in accordance with ISO8573-1:2010 [7:4:4]       |
| CE symbol (see declaration of conformity)  Corrosion resistance classification CRC  Storage temperature  -20 40 °C  Medium temperature  -5 50 °C  Ambient temperature  -5 50 °C  Max. tightening torque, valve mounting  Product weight  Electrical connection  Plug  to EN 175301-803  Design C  Mounting type  Auxiliary pilot air port 12/14  Pilot exhaust port 84  Non-ducted   | Note on operating and pilot medium        |  |
| Corrosion resistance classification CRC  Storage temperature  -20 40 °C  Medium temperature  -5 50 °C  Ambient temperature  -5 50 °C  Max. tightening torque, valve mounting  2 Nm  Product weight  150 g  Electrical connection  Plug  to EN 175301-803  Design C  Mounting type  Auxiliary pilot air port 12/14  Subbase  Pilot exhaust port 84  Non-ducted  | CF symbol (see declaration of conformity) |  |
| Storage temperature -20 40 °C Medium temperature -5 50 °C Ambient temperature -5 50 °C  Max. tightening torque, valve mounting 2 Nm  Product weight 150 g  Electrical connection Plug to EN 175301-803 Design C  Mounting type Mounting type with through hole Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted   |   |  |
| Medium temperature  -5 50 °C  Ambient temperature  -5 50 °C  Max. tightening torque, valve mounting  2 Nm  Product weight  150 g  Electrical connection  Plug  to EN 175301-803  Design C  Mounting type  Auxiliary pilot air port 12/14  Pilot exhaust port 84  Non-ducted  |   |  |
| Ambient temperature  -5 50 °C  Max. tightening torque, valve mounting  Product weight  150 g  Electrical connection  Plug  to EN 175301-803  Design C  Mounting type  Auxiliary pilot air port 12/14  Pilot exhaust port 84  Non-ducted  |   |  |
| Max. tightening torque, valve mounting  Product weight  Electrical connection  Plug to EN 175301-803 Design C  Mounting type  Auxiliary pilot air port 12/14  Pilot exhaust port 84  Non-ducted  | ·   |  |
| Product weight 150 g  Electrical connection Plug to EN 175301-803 Design C  Mounting type with through hole  Auxiliary pilot air port 12/14 Subbase  Pilot exhaust port 84 Non-ducted  | •   |  |
| Electrical connection  Plug to EN 175301-803 Design C  Mounting type  with through hole  Auxiliary pilot air port 12/14  Subbase  Pilot exhaust port 84  Non-ducted  |   |  |
| to EN 175301-803 Design C  Mounting type with through hole  Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | -   | =  |
| Design C  Mounting type with through hole  Auxiliary pilot air port 12/14 Subbase  Pilot exhaust port 84 Non-ducted  |   |  |
| Mounting type with through hole Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  |   |  |
| Auxiliary pilot air port 12/14 Subbase Pilot exhaust port 84 Non-ducted  | Mounting type                             |  |
| Pilot exhaust port 84 Non-ducted   |   | -  |
| ·  |   |  |
|  |   |  |
| ,  | Pneumatic connection, port 1              |  |



| Feature                            | Value                  |
|------------------------------------|------------------------|
| Pneumatic connection, port 3       | Subbase                |
| Materials note                     | Conforms to RoHS       |
| Materials information for seals    | FPM                    |
|                                    | HNBR                   |
|                                    | NBR                    |
| Materials information, housing     | PA-reinforced          |
| Material information, piston spool | Wrought Aluminum alloy |