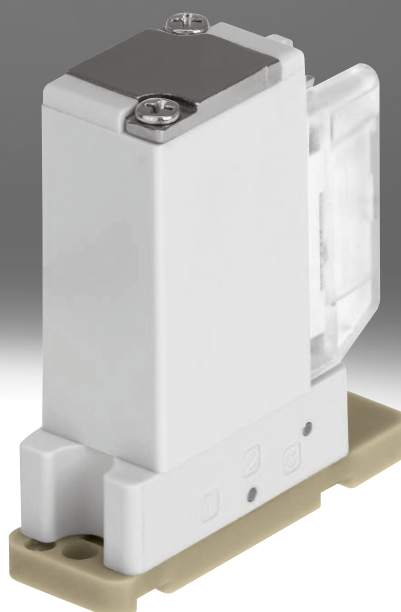


## Media separated solenoid valves VYKB

**FESTO**



## Key features

### Special characteristics

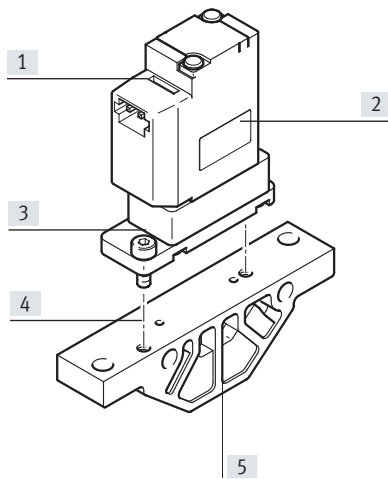
- Very easy to clean thanks to media separation
- Low media consumption thanks to small internal volume
- High-quality materials, therefore also suitable for aggressive media
- High flow rate with small size
- High repetition accuracy, switching frequency and precision, therefore also suitable for extremely small volumes and dosing tasks
- Low power consumption as a result of holding current reduction
- Extremely flexible in use thanks to 3/2-way and 2/2-way variants as well as 12 ... 24 V DC actuation

### Function

VYKB is a media separated solenoid valve. It is used to control gaseous and liquid media in laboratories.

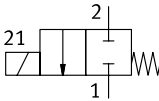
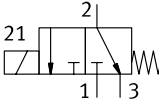
The valve VYKB is a directly actuated directional control valve with solenoid coil. In a de-energised state, the valve automatically returns to its normal position. Normally closed (2/2-way solenoid valve and 3/2-way solenoid valve) and normally open (3/2-way solenoid valve only) variants are available.

### Configuration



- [1] Terminal contact for connecting cable NEBV
- [2] Solenoid valve VYKB
- [3] Screws for mounting on the sub-base (included in the scope of delivery of the valves)
- [4] Sub-base VABS
- [5] Media connections

## Product range overview

| Function                          | Circuit symbol                                                                    | Type          | Variants                                                                                                     | Size  | Flow rate Kv<br>[m³/h] | Outlet direction of<br>electrical<br>components | → Page/<br>Internet |
|-----------------------------------|-----------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------------------------------------|-------|------------------------|-------------------------------------------------|---------------------|
| Media separated<br>solenoid valve | Rocker valve with diaphragm seal                                                  |               |                                                                                                              |       |                        |                                                 |                     |
|                                   |  | VYKB-...-M22C | 2/2-way solenoid valve:<br>• Single solenoid<br>• Normally closed<br>• Operating voltage 12 ... 24 V DC      | 10 mm | 0.034                  | • Straight<br>• Angled                          | 7                   |
|                                   |                                                                                   |               |                                                                                                              | 12 mm | 0.056                  | • Straight                                      | 7                   |
|                                   |  | VYKB-...-M32  | 3/2-way solenoid valve:<br>• Single solenoid<br>• Normally closed/open<br>• Operating voltage 12 ... 24 V DC | 10 mm | 0.034                  | • Straight<br>• Angled                          | 7                   |
|                                   |                                                                                   |               |                                                                                                              | 12 mm | 0.056                  | • Straight                                      | 7                   |

## Type codes

|      |                     |  |
|------|---------------------|--|
| 001  | Series              |  |
| VYKB | Solenoid valve VYKB |  |

|     |                                |  |
|-----|--------------------------------|--|
| 002 | Directional control valve type |  |
| F   | Flanged valve                  |  |

|     |         |  |
|-----|---------|--|
| 003 | Size    |  |
| 10  | Size 10 |  |
| 12  | Size 12 |  |

|      |                                        |  |
|------|----------------------------------------|--|
| 004  | Valve function                         |  |
| M22C | 2/2-way valve, normally closed         |  |
| M32  | 3/2-way valve, normally closed or open |  |

|     |               |  |
|-----|---------------|--|
| 005 | Nominal width |  |
| 20  | 2 mm          |  |
| 16  | 1.6 mm        |  |

|     |                  |  |
|-----|------------------|--|
| 006 | Housing material |  |
| P   | PEEK             |  |

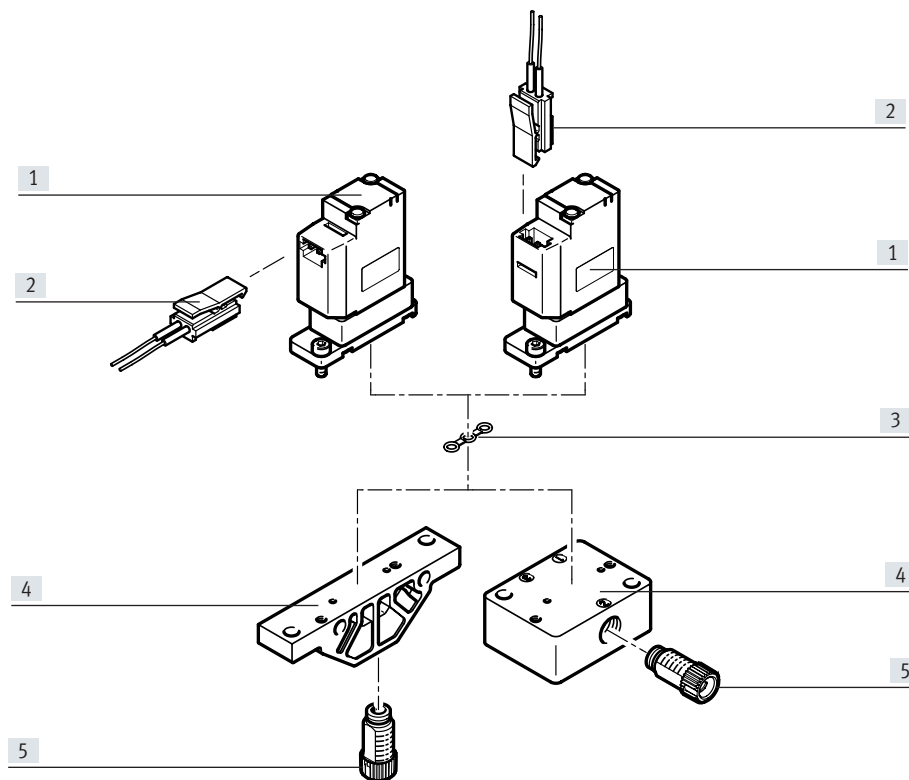
|     |                                |  |
|-----|--------------------------------|--|
| 007 | Diaphragm and sealing material |  |
| E   | EPDM                           |  |
| F   | FFPM                           |  |
| V   | FPM                            |  |

|     |                           |  |
|-----|---------------------------|--|
| 008 | Nominal operating voltage |  |
| 1   | 24 V DC                   |  |
| 5   | 12 V DC                   |  |

|     |                       |  |
|-----|-----------------------|--|
| 009 | Electrical connection |  |
| HP  | Port pattern HP       |  |

|     |                                           |  |
|-----|-------------------------------------------|--|
| 010 | Outlet direction of electrical components |  |
| A   | Angled                                    |  |
| S   | Straight                                  |  |

## Peripherals overview

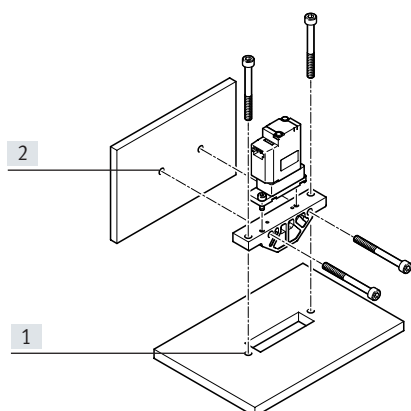


## Accessories

|     | Type/order code | Description      | → Page/Internet |
|-----|-----------------|------------------|-----------------|
| [1] | VYKB            | Solenoid valve   | 12              |
| [2] | NEBV-HPG2       | Connecting cable | 13              |
| [3] | VAVC-K2         | Seal             | 13              |
| [4] | VABS-K2         | Manifold rail    | 13              |
| [5] | NLFA-D          | Fitting          | 13              |

## Key features – Mounting

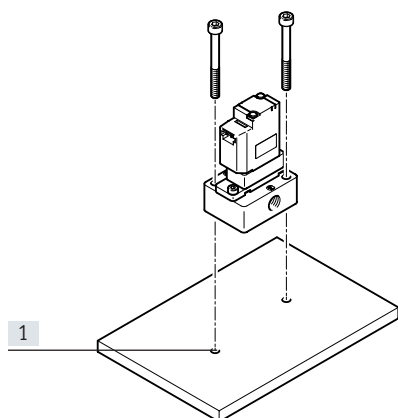
### Mounting with ports underneath



- [1] Vertical mounting holes
- [2] Horizontal mounting holes

The individual sub-base for wall mounting is designed for integration into a system or machine. It can be mounted horizontally or vertically.

### Mounting with ports at the side



- [1] Vertical mounting holes

The individual sub-base for wall mounting is designed for integration into a system or machine. It can be mounted vertically.

## Technical data

-  Size:  
 10 mm  
 12 mm
-  Flow rate:  
 0.034 [m<sup>3</sup>/h]  
 0.056 [m<sup>3</sup>/h]



| General technical data                   |               |                     | 10 mm                                 | 12 mm                          |
|------------------------------------------|---------------|---------------------|---------------------------------------|--------------------------------|
| Size                                     |               |                     |                                       |                                |
| Valve function                           |               |                     | 2/2-way, closed, single solenoid      |                                |
|                                          |               |                     | 3/2-way, open/closed, single solenoid |                                |
| Design                                   |               |                     | Rocker valve with diaphragm seal      |                                |
| Reset method                             |               |                     | Mechanical spring                     |                                |
| Nominal size [mm]                        |               |                     | 1.6                                   | 2.0                            |
| Fluid connection                         |               |                     | Flange                                |                                |
| Flow rate Kv                             | 2/2-way valve | [m <sup>3</sup> /h] | 0.034                                 | 0.056                          |
|                                          | 3/2-way valve | [m <sup>3</sup> /h] | 0.034                                 | 0.056                          |
| Internal volume                          | 2/2-way valve | [μl]                | 35                                    | 60                             |
|                                          | 3/2-way valve | [μl]                | 35                                    | 60                             |
| Sealing principle                        |               |                     | Soft                                  |                                |
| Direction of flow                        |               |                     | Not reversible                        |                                |
| Actuation type                           |               |                     | Electrical                            |                                |
| Type of control                          |               |                     | Direct                                |                                |
| Manual override                          |               |                     | None                                  |                                |
| Type of mounting                         |               |                     | With through-hole for M2 screw        | With through-hole for M3 screw |
| Mounting position                        |               |                     | Any                                   |                                |
| Degree of protection                     |               |                     | IP40                                  |                                |
| Corrosion resistance class <sup>1)</sup> |               |                     | 0                                     |                                |
| Product weight [g]                       |               |                     | 18                                    | 40                             |

1) Corrosion resistance class CRC 0 to Festo standard FN 940070

No corrosion stress. Applies to small, visually unimportant standards-based parts such as threaded pins, circlips and clamping sleeves which are usually only available on the market in a phosphated or burnished version (and possibly oiled) as well as to ball bearings (for components < CRC 3) and plain bearings.

| Electrical data                  |                       |        | 10 mm                                                    | 12 mm                                                    |
|----------------------------------|-----------------------|--------|----------------------------------------------------------|----------------------------------------------------------|
| Size                             |                       |        |                                                          |                                                          |
| Operating voltage range          | VYKB- ... -1HPS       | [V DC] | 24                                                       |                                                          |
|                                  | VYKB- ... -5HPS       | [V DC] | 12                                                       |                                                          |
| Permissible voltage fluctuations | VYKB- ... -1HPS       | [%]    | ±10                                                      |                                                          |
|                                  | VYKB- ... -5HPS       | [%]    | -5/ +10                                                  |                                                          |
| Electrical port 1                | Connection type       |        | Cable with plug                                          |                                                          |
|                                  | Connection technology |        | Plug pattern HP                                          |                                                          |
| Characteristic coil data         | VYKB- ... -1HPS       | [V DC] | 24 V DC: low-current phase 1 W, high-current phase 3.7 W | 24 V DC: low-current phase 1 W, high-current phase 4.5 W |
|                                  | VYKB- ... -5HPS       | [V DC] | 12 V DC: low-current phase 1 W, high-current phase 3.7 W | 12 V DC: low-current phase 1 W, high-current phase 5.2 W |
| Duty cycle [%]                   |                       |        | 100                                                      |                                                          |

## Technical data

| Switching time           |     |      | 2/2-way valve           |                         |                        | 3/2-way valve           |                         |                        |
|--------------------------|-----|------|-------------------------|-------------------------|------------------------|-------------------------|-------------------------|------------------------|
|                          |     |      | Diaphragm material EPDM | Diaphragm material FFPM | Diaphragm material FPM | Diaphragm material EPDM | Diaphragm material FFPM | Diaphragm material FPM |
| Switching time           | On  | [ms] | 15                      | 20                      | 15                     | 15                      | 20                      | 15                     |
|                          | Off | [ms] | 15                      | 20                      | 15                     | 15                      | 20                      | 15                     |
| Max. switching frequency |     | [Hz] | 2                       | 2                       | 2                      | 2                       | 2                       | 2                      |

| Operating and environmental conditions                     |       |  | 10 mm                                                  |  | 12 mm            |  |
|------------------------------------------------------------|-------|--|--------------------------------------------------------|--|------------------|--|
| Size                                                       |       |  |                                                        |  |                  |  |
| Medium                                                     |       |  | Liquid media                                           |  |                  |  |
|                                                            |       |  | Gaseous media                                          |  |                  |  |
| Note on the medium                                         |       |  | Note resistance of materials in contact with the media |  |                  |  |
|                                                            |       |  | Maximum particle size 5 µm                             |  |                  |  |
| Temperature of medium                                      | [°C]  |  | 0 ... 50                                               |  |                  |  |
| Temperature of liquid media                                | [°C]  |  | 0 ... 50                                               |  |                  |  |
| Ambient temperature                                        | [°C]  |  | 0 ... 50                                               |  |                  |  |
| Storage temperature                                        | [°C]  |  | -20 ... 70                                             |  |                  |  |
| Overload pressure                                          | [MPa] |  | 0.3                                                    |  | 0.45             |  |
|                                                            | [bar] |  | 3                                                      |  | 4.5              |  |
|                                                            | [psi] |  | 43.5                                                   |  | 65.25            |  |
| Pressure of medium                                         | [MPa] |  | -0.075 ... 0.1                                         |  | -0.075 ... 0.3   |  |
|                                                            | [bar] |  | -0.75 ... 1                                            |  | -0.75 ... 3      |  |
|                                                            | [psi] |  | -10.875 ... 14.5                                       |  | -10.875 ... 43.5 |  |
| CE marking (see declaration of conformity) <sup>1)</sup>   |       |  | To EU EMC Directive                                    |  |                  |  |
|                                                            |       |  | To EU RoHS Directive                                   |  |                  |  |
| UKCA marking (see declaration of conformity) <sup>1)</sup> |       |  | To UK instructions for EMC                             |  |                  |  |
|                                                            |       |  | To UK RoHS instructions                                |  |                  |  |

1) For information about the area of use, see the EC declaration of conformity at: [www.festo.com/catalogue/...](http://www.festo.com/catalogue/...) → Support/Downloads.

If the devices are subject to usage restrictions in residential, commercial or light-industrial environments, further measures for the reduction of the emitted interference may be necessary.

| Information on materials            |               |                    |
|-------------------------------------|---------------|--------------------|
| Materials in contact with the media | All types     | PEEK               |
|                                     | VYKB- ... -PE | EPDM               |
|                                     | VYKB- ... -PF | FFPM               |
|                                     | VYKB- ... -PV | FPM                |
| Housing material                    |               | PEEK               |
| Diaphragm material                  | VYKB- ... -PE | EPDM               |
|                                     | VYKB- ... -PF | FFPM               |
|                                     | VYKB- ... -PV | FPM                |
| Sealing material                    | VYKB- ... -PE | EPDM               |
|                                     | VYKB- ... -PF | FFPM               |
|                                     | VYKB- ... -PV | FPM                |
| Material of sub-base VABS           |               | PEEK               |
| Note on materials                   |               | RoHS-compliant     |
| PWIS conformity                     |               | VDMA24364 zone III |

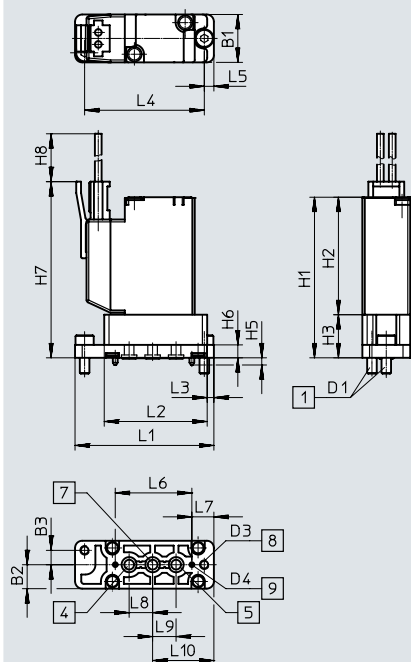


## Technical data

## Dimensions – Solenoid valve size 10 mm

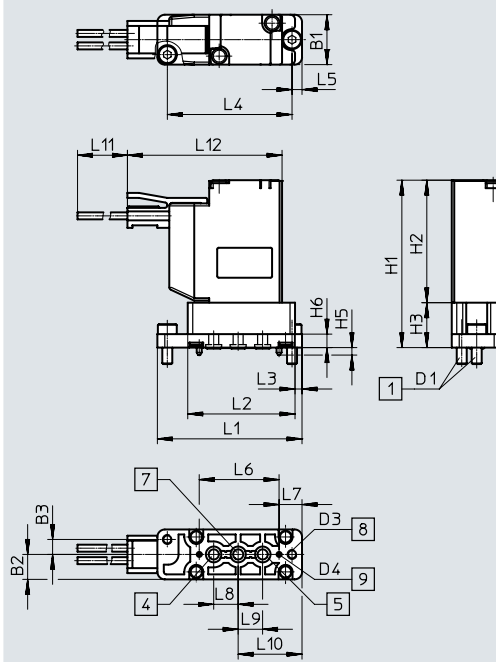
Download CAD data → [www.festo.com](http://www.festo.com)

Outlet direction of electrical components: straight



- [1] Mounting screws  
[4] Port 3  
[5] Port 1  
[7] Port 2  
[8] Mounting holes  
[9] Coding pin

Outlet direction of electrical components: angled



- [1] Mounting screws  
[4] Port 3  
[5] Port 1  
[7] Port 2  
[8] Mounting holes  
[9] Coding pin

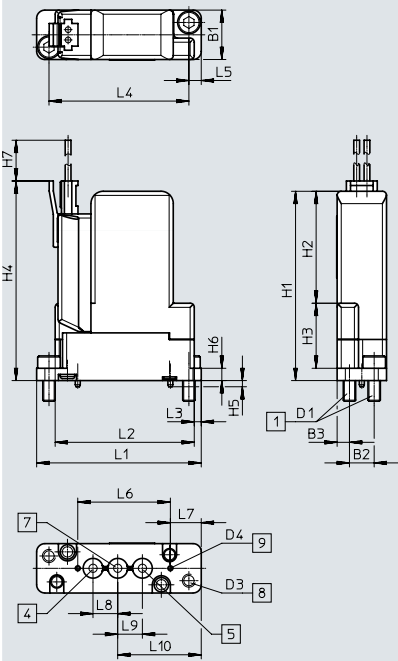
| Type                                                                | B1 | B2 | B3 | D1     | D3<br>Ø | D4<br>Ø | H1   | H2   | H3 | H5  | H6  | H7 |
|---------------------------------------------------------------------|----|----|----|--------|---------|---------|------|------|----|-----|-----|----|
| VYKB-...S<br>Outlet direction of electrical components:<br>straight | 10 | 5  | 3  | M2x0.4 | 2.1     | 1       | 33.5 | 24.5 | 9  | 1.5 | 2.7 | 5  |
| VYKB-...A<br>Outlet direction of electrical components:<br>angled   | 10 | 5  | 3  | M2x0.4 | 2.1     | 1       | 33.5 | 24.5 | 9  | 1.5 | 2.7 | –  |

| Type                                                                | L1 | L2   | L3  | L4 | L5 | L6 | L7  | L8  | L9  | L10  | L11 | L12  |
|---------------------------------------------------------------------|----|------|-----|----|----|----|-----|-----|-----|------|-----|------|
| VYKB-...S<br>Outlet direction of electrical components:<br>straight | 29 | 21.5 | 1.4 | 25 | 2  | 16 | 4.6 | 4.9 | 4.9 | 12.8 | –   | 22.6 |
| VYKB-...A<br>Outlet direction of electrical components:<br>angled   | 29 | 21.5 | 1.4 | 25 | 2  | 16 | 4.6 | 4.9 | 4.9 | 12.8 | 5   | 22.6 |

Technical data

Dimensions – Solenoid valve size 12 mm Download CAD data → [www.festo.com](http://www.festo.com)

Outlet direction of electrical components: straight



- [1] Mounting screws
- [4] Port 3
- [5] Port 1
- [7] Port 2
- [8] Mounting holes
- [9] Coding pin

| Type                                                                | B1 | B2 | B3 | D1     | D3<br>Ø | D4<br>Ø | H1 | H2   | H3   | H5  | H6 | H7 |
|---------------------------------------------------------------------|----|----|----|--------|---------|---------|----|------|------|-----|----|----|
| VYKB-...S<br>Outlet direction of electrical components:<br>straight | 12 | 6  | 3  | M3x0.5 | 3.2     | 1.2     | 46 | 27.2 | 15.8 | 1.5 | 3  | 5  |

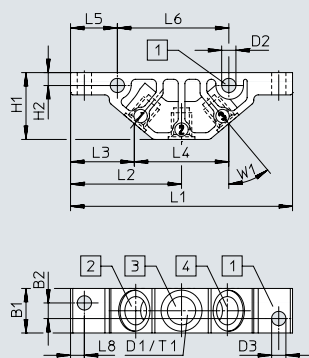
| Type                                                                | L1 | L2   | L3  | L4 | L5 | L6   | L7  | L8 | L9 | L10  | L12 |
|---------------------------------------------------------------------|----|------|-----|----|----|------|-----|----|----|------|-----|
| VYKB-...S<br>Outlet direction of electrical components:<br>straight | 40 | 33.8 | 1.7 | 34 | 3  | 22.5 | 7.5 | 6  | 6  | 20.3 | 28  |

## Technical data

## Dimensions

Download CAD data → [www.festo.com](http://www.festo.com)

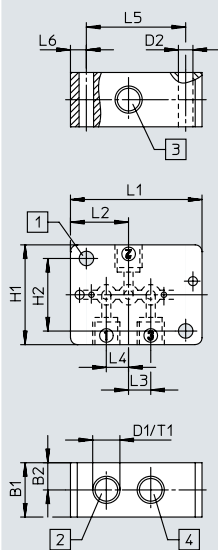
## Manifold rail VABS-K2-10B



- [1] Mounting holes
- [2] Port 1
- [3] Port 2
- [4] Port 3

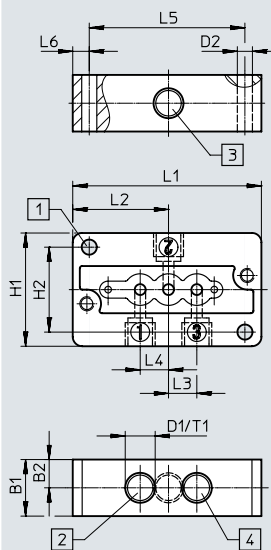
| Type                 | B1 | B2  | D1         | D2<br>Ø | D3<br>Ø | H1 | H2  | L1   | L2   | L3   | L4   | L5   | L6 | L7   | L8  | T1 | W1  |
|----------------------|----|-----|------------|---------|---------|----|-----|------|------|------|------|------|----|------|-----|----|-----|
| VABS-K2-10B-16-M6-P  | 10 | 3.5 | M6         | 3.2     | 3.2     | 15 | 2.9 | 49.8 | 24.9 | 14.3 | 21.2 | 10.5 | 25 | 43.6 | 3.1 | 6  | 40° |
| VABS-K2-10B-16-U14-P |    |     | 1/4-28 UNF |         |         |    |     |      |      |      |      |      |    |      |     |    |     |

## Manifold rail VABS-K2-10S



- [1] Mounting holes
- [2] Port 1
- [3] Port 2
- [4] Port 3

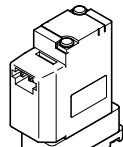
## Manifold rail VABS-K2-12S

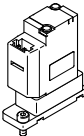


- [1] Mounting holes
- [2] Port 1
- [3] Port 2
- [4] Port 3

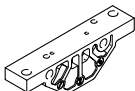
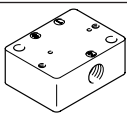
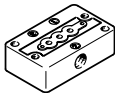
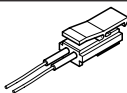
| Type                 | B1 | B2 | D1         | D2<br>Ø | H1 | H2 | L1 | L2   | L3  | L4  | L5   | L6  | T1 |
|----------------------|----|----|------------|---------|----|----|----|------|-----|-----|------|-----|----|
| VABS-K2-10S-16-M6-P  | 12 | 6  | M6         | 3.2     | 22 | 16 | 29 | 12.8 | 4.9 | 4.9 | 21.9 | 3.5 | 6  |
| VABS-K2-10S-16-U14-P |    |    | 1/4-28 UNF |         |    |    |    |      |     |     |      |     |    |
| VABS-K2-12S-20-M6-P  | 12 | 6  | M6         | 3.2     | 24 | 18 | 40 | 20.3 | 6   | 6   | 33   | 3.5 | 6  |
| VABS-K2-12S-20-U14-P |    |    | 1/4-28 UNF |         |    |    |    |      |     |     |      |     |    |

## Accessories

| Ordering data                                                                    |                                        |                                     |                                   |                                                     | Part No. | Type                     |
|----------------------------------------------------------------------------------|----------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------------------------|----------|--------------------------|
| Description                                                                      |                                        |                                     |                                   |                                                     |          |                          |
| Solenoid valve size 10 mm                                                        |                                        |                                     |                                   |                                                     |          |                          |
|  | 2/2-way valve, normally closed         | Diaphragm and sealing material EPDM | Nominal operating voltage 12 V DC | Outlet direction of electrical components: angled   | 8122801  | VYKB-F10-M22C-16-PE-5HPA |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: angled   | 8122804  | VYKB-F10-M22C-16-PE-1HPA |
|                                                                                  |                                        |                                     | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8122813  | VYKB-F10-M22C-16-PE-5HPS |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8122816  | VYKB-F10-M22C-16-PE-1HPS |
|                                                                                  |                                        | Diaphragm and sealing material FFPM | Nominal operating voltage 12 V DC | Outlet direction of electrical components: angled   | 8122803  | VYKB-F10-M22C-16-PF-5HPA |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: angled   | 8122806  | VYKB-F10-M22C-16-PF-1HPA |
|                                                                                  |                                        |                                     | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8122815  | VYKB-F10-M22C-16-PF-5HPS |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8122818  | VYKB-F10-M22C-16-PF-1HPS |
|                                                                                  |                                        | Diaphragm and sealing material FPM  | Nominal operating voltage 12 V DC | Outlet direction of electrical components: angled   | 8122802  | VYKB-F10-M22C-16-PV-5HPA |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: angled   | 8122805  | VYKB-F10-M22C-16-PV-1HPA |
|                                                                                  |                                        |                                     | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8122814  | VYKB-F10-M22C-16-PV-5HPS |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8122817  | VYKB-F10-M22C-16-PV-1HPS |
|                                                                                  | 3/2-way valve, normally closed or open | Diaphragm and sealing material EPDM | Nominal operating voltage 12 V DC | Outlet direction of electrical components: angled   | 8122807  | VYKB-F10-M32-16-PE-5HPA  |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: angled   | 8122810  | VYKB-F10-M32-16-PE-1HPA  |
|                                                                                  |                                        |                                     | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8122819  | VYKB-F10-M32-16-PE-5HPS  |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8122822  | VYKB-F10-M32-16PE-1HPS   |
|                                                                                  |                                        | Diaphragm and sealing material FFPM | Nominal operating voltage 12 V DC | Outlet direction of electrical components: angled   | 8122809  | VYKB-F10-M32-16-PF-5HPA  |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: angled   | 8122812  | VYKB-F10-M32-16-PF-1HPA  |
|                                                                                  |                                        |                                     | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8122821  | VYKB-F10-M32-16-PF-5HPS  |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8122824  | VYKB-F10-M32-16-PF-1HPS  |
|                                                                                  |                                        | Diaphragm and sealing material FPM  | Nominal operating voltage 12 V DC | Outlet direction of electrical components: angled   | 8122808  | VYKB-F10-M32-16-PV-5HPA  |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: angled   | 8122811  | VYKB-F10-M32-16-PV-1HPA  |
|                                                                                  |                                        |                                     | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8122820  | VYKB-F10-M32-16-PV-5HPS  |
|                                                                                  |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8122823  | VYKB-F10-M32-16-PV-1HPS  |

|                                                                                    |                                        |                                     |                                   |                                                     |         |                          |
|------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------|-----------------------------------|-----------------------------------------------------|---------|--------------------------|
| Solenoid valve size 12 mm                                                          |                                        |                                     |                                   |                                                     |         |                          |
|  | 2/2-way valve, normally closed         | Diaphragm and sealing material EPDM | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8140315 | VYKB-F12-M22C-20-PE-5HPS |
|                                                                                    |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8140316 | VYKB-F12-M22C-20-PE-1HPS |
|                                                                                    | 3/2-way valve, normally closed or open | Diaphragm and sealing material EPDM | Nominal operating voltage 12 V DC | Outlet direction of electrical components: straight | 8140317 | VYKB-F12-M32-20-PE-5HPS  |
|                                                                                    |                                        |                                     | Nominal operating voltage 24 V DC | Outlet direction of electrical components: straight | 8140318 | VYKB-F12-M32-20-PE-1HPS  |

## Accessories

| Ordering data                                                                       |                                                 |                                                          |                       | Part No. | Type                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------------------------|-----------------------|----------|------------------------|
| Description                                                                         |                                                 |                                                          |                       |          |                        |
| Manifold rail                                                                       |                                                 |                                                          |                       |          |                        |
|    | Port underneath                                 | Female thread M6                                         | Size 10 mm            | 8122825  | VABS-K2-10B-16-M6-P    |
|                                                                                     |                                                 | Female thread 1/4-28 UNF                                 | Size 10 mm            | 8122826  | VABS-K2-10B-16-U14-P   |
|    | Port at the side                                | Female thread M6                                         | Size 10 mm            | 8122827  | VABS-K2-10S-16-M6-P    |
|                                                                                     |                                                 | Female thread 1/4-28 UNF                                 | Size 10 mm            | 8122828  | VABS-K2-10S-16-U14-P   |
|    | Port at the side                                | Female thread M6                                         | Size 12 mm            | 8140319  | VABS-K2-12S-20-M6-P    |
|                                                                                     |                                                 | Female thread 1/4-28 UNF                                 | Size 12 mm            | 8140320  | VABS-K2-12S-20-U14-P   |
|                                                                                     |                                                 |                                                          |                       |          |                        |
| Connecting cable                                                                    |                                                 |                                                          |                       |          |                        |
|    | Straight socket, plug pattern Q7                |                                                          | Cable length 0.3 m    | 8122832  | NEBV-HPG2-PN-0.3-N-LE2 |
|                                                                                     |                                                 |                                                          |                       |          |                        |
| Seal                                                                                |                                                 |                                                          |                       |          |                        |
|    | Included in the scope of delivery of the valves | For valves of size 10 mm, for mounting on manifold rails | Sealing material EPDM | 8122829  | VAVC-K2-S-3-E          |
|                                                                                     |                                                 |                                                          | Sealing material FFPM | 8122831  | VAVC-K2-S-3-F          |
|                                                                                     |                                                 |                                                          | Sealing material FPM  | 8122830  | VAVC-K2-S-3-V          |
|                                                                                     |                                                 |                                                          |                       |          |                        |
| Fitting                                                                             |                                                 |                                                          |                       |          |                        |
|  | Male thread 1/4-28 UNF                          | For tubing I.D. 1.2 mm                                   |                       | 8104288  | NLFA-D-U14-B1.2-PP-P10 |
|                                                                                     |                                                 | For tubing O.D. 1.6 mm                                   |                       | 8104285  | NLFA-D-U14-K1.6-PP-P10 |
|                                                                                     |                                                 | For tubing I.D. 2.1 mm                                   |                       | 8104289  | NLFA-D-U14-B2.1-PP-P10 |
|                                                                                     |                                                 | For tubing O.D. 3.0 mm                                   |                       | 8104286  | NLFA-D-U14-K3-PP-P10   |
|                                                                                     |                                                 | For tubing O.D. 3.2 mm                                   |                       | 8104287  | NLFA-D-U14-K3.2-PP-P10 |
|  | Male thread M6                                  | For tubing O.D. 6.0 mm                                   |                       | 132600   | QSM-M6-6               |

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