



2/2-way solenoid valve for neutral media

- Compact 2 to 8-part distributor or collector block solution, stackable
- Stable plastic body with robust brass connection
- Ready-for-installation delivery for fast start-up
- Optional with energy-saving Kick and Drop coil
- Ex variants available on request

Product variants described in the data sheet may differ from the product presentation and description.

Type description

The Type 0287 is a servo-assisted 2/2-way valve. The modular stackable valve can be obtained as a distributor or collector version in DN 13. It is suitable for neutral media, such as compressed air or water.

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1. General technical data

| Product properties | |
|---|--|
| Dimensions | Further information can be found in chapter "5. Dimensions" on page 6. |
| Material | |
| Connection | Brass |
| Seal | FKM |
| Body | PPE/Polyamide |
| Housing cover | PPE/Polyamide |
| Valve inner parts | Stainless steel, brass |
| Orifice | DN 13 |
| Switching function | A Further information can be found in chapter "2. Circuit functions" on page 3. |
| Thermal insulation class of solenoid | Polyamide coil class B Epoxy coil class H |
| Performance data | |
| Duty cycle | 100 % continuous operation |
| Switching time ¹⁾ | 0.1...0.5 seconds (depending on differential pressure) |
| Electrical data | |
| Operating voltage | 24 V DC, 24 V 50 Hz, 230 V 50 Hz |
| Voltage tolerance | ± 10 % |
| Medium data | |
| Operating medium | Neutral medium (e.g. compressed air, water) |
| Medium temperature | 0 °C...+ 70 °C |
| Process/Port connection & communication | |
| Electrical connection | Plug contacts according to DIN EN 175301 - 803 form A for cable plug Type 2518 ▶. Further information can be found in chapter "Cable plug Type 2518, form A according to DIN EN 175301 - 803" on page 8. |
| Approvals and conformities | |
| Degree of protection | IP65 with cable plug, cable connection and terminal box |
| Directive | CE, EAC |
| Explosion protection | Further information can be found in chapter "3.4. Explosion protection" on page 4. |
| North America (USA/Canada) | Further information can be found in chapter "3.5. North America (USA/Canada)" on page 4. |
| Environment and installation | |
| Installation position | As required, preferably with actuator upright |
| Ambient temperature | Max. + 55 °C |

1.) Measurement at + 20 °C, 6 bar at the valve outlet, opening: pressure build-up 0...90 %, closing: pressure reduction 100...10 %

2. Circuit functions

Note:

WWB, normally open on request

| Symbol | Description |
|---|---|
|  | Circuit function A (CF A) 2/2-way solenoid valve Servo-controlled Normally closed |

3. Approvals and conformities

3.1. General notes

- The approvals and conformities listed below must be stated when making enquiries. This is the only way to ensure that the product complies with all required specifications.
- Not all available versions can be supplied with the below mentioned approvals or conformities.



3.2. Conformity

In accordance with the Declaration of Conformity, the product is compliant with the EU Directives.

3.3. Standards

The applied standards which are used to demonstrate compliance with the EU Directives are listed in the EU-Type Examination Certificate and/or the EU Declaration of Conformity.




3.4. Explosion protection

| Approval | Description | | | | | | | |
|---|--|----------------|--|-------------------------|-------------------------|--|--|--|
|   | Optional: Explosion protection according to category 2 (zone 1/21) | | | | | | | |
| | Ex marking of the components according to the following table: | | | | | | | |
| | <table><tr><th colspan="2">Coil Type AC10</th></tr><tr><th>Coils with cable outlet</th><th>Coils with terminal box</th></tr><tr><td>ATEX: EPS 18 ATEX 1232 X II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T130 °C Db</td><td>ATEX: EPS 18 ATEX 1232 X II 2G Ex eb mb IIC T4 Gb II 2D Ex mb tb IIIC T130 °C Db</td></tr><tr><td>IECEx: IECEx EPS 18.0110 X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db</td><td>IECEx: IECEx EPS 18.0110 X Ex eb mb IIC T4 Gb Ex mb tb IIIC T130 °C Db</td></tr></table> | Coil Type AC10 | | Coils with cable outlet | Coils with terminal box | ATEX: EPS 18 ATEX 1232 X II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T130 °C Db | ATEX: EPS 18 ATEX 1232 X II 2G Ex eb mb IIC T4 Gb II 2D Ex mb tb IIIC T130 °C Db | IECEx: IECEx EPS 18.0110 X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db |
| Coil Type AC10 | | | | | | | | |
| Coils with cable outlet | Coils with terminal box | | | | | | | |
| ATEX: EPS 18 ATEX 1232 X II 2G Ex mb IIC T4 Gb II 2D Ex mb IIIC T130 °C Db | ATEX: EPS 18 ATEX 1232 X II 2G Ex eb mb IIC T4 Gb II 2D Ex mb tb IIIC T130 °C Db | | | | | | | |
| IECEx: IECEx EPS 18.0110 X Ex mb IIC T4 Gb Ex mb IIIC T130 °C Db | IECEx: IECEx EPS 18.0110 X Ex eb mb IIC T4 Gb Ex mb tb IIIC T130 °C Db | | | | | | | |

3.5. North America (USA/Canada)

Note:

The following approvals are only available on request for coil systems with epoxy coils.

| Approval | Description |
|---|--|
|  | Optional: UL Recognized for the USA and Canada (valid for coils) The coils are UL Recognized for the USA and Canada according to: <ul style="list-style-type: none"> • UL 429 (electrically operated valves) • CAN/CSA-C22.2 No. 139 |
|  | Optional: UL Hazardous Locations – Explosion Protection (valid for coils) UL Listed for Hazardous Locations for USA and Canada Class I, Zone 1 Class I, Division 2, Group A, B, C and D Class II + III, Division 2, Group F and G |
|  | Optional: FM (Factory Mutual) – Explosion Protection (valid for coils) FM for Hazardous Locations for USA and Canada Class I, Zone 1 Class I, Division 1, Groups A, B, C and D Class II + III, Division 1, Groups E, F and G |

4. Materials

4.1. Bürkert resistApp



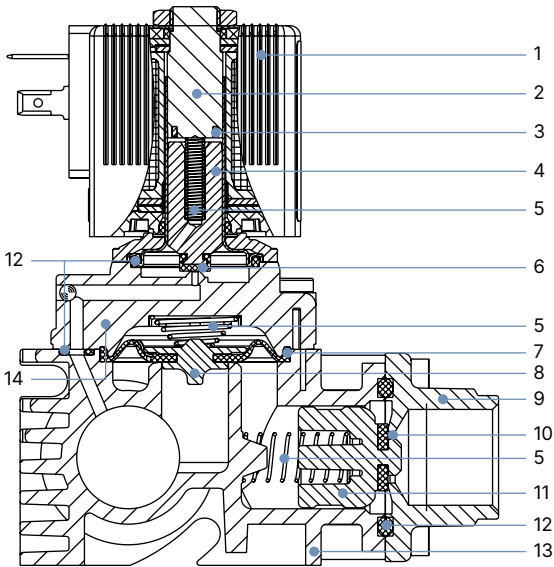
Bürkert resistApp – Chemical resistance chart

You want to ensure the reliability and durability of the materials in your individual application case? Verify your combination of media and materials on our website or in our resistApp.

[Start chemical resistance check](#)

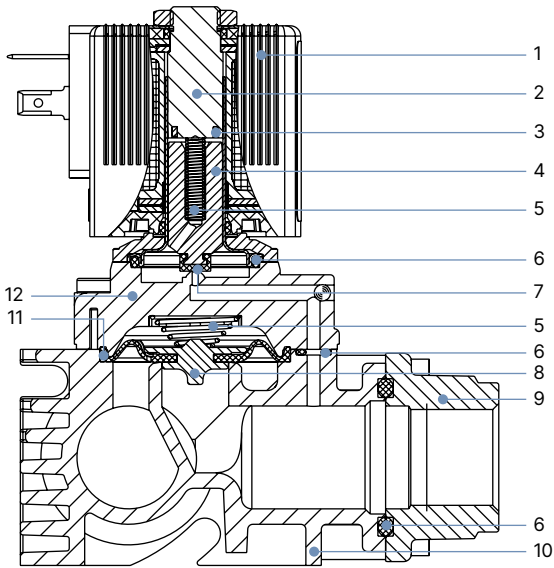
4.2. Material specifications

Standard version collector



| No. | Element | Material |
|-----|--------------------|---------------------------|
| 1 | Coil | Polyamide, optional epoxy |
| 2 | Stopper | Stainless steel 1.4105 |
| 3 | Short circuit ring | Copper |
| 4 | Magnetic core | Stainless steel 1.4105 |
| 5 | Spring | Stainless steel 1.4310 |
| 6 | Core seal | FKM |
| 7 | Diaphragm | FKM |
| 8 | Diaphragm holder | Brass |
| 9 | Connection | Brass |
| 10 | Seal | FKM |
| 11 | Routing | PPE/Polyamide |
| 12 | O-ring | FKM |
| 13 | Body | PPE/Polyamide |
| 14 | Cover | PPE/Polyamide |

Standard version distributor

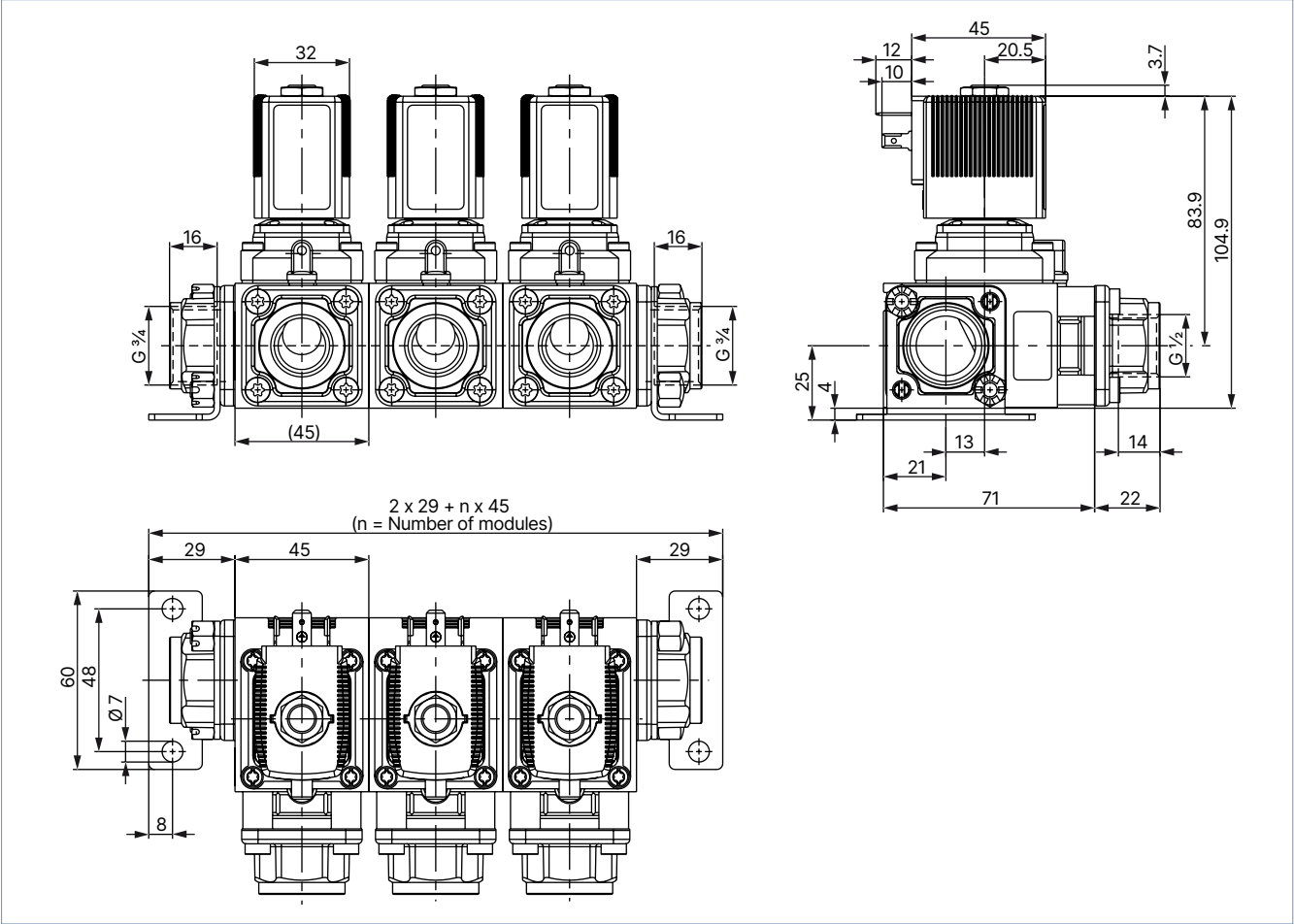


| No. | Element | Material |
|-----|--------------------|---------------------------|
| 1 | Coil | Polyamide, optional epoxy |
| 2 | Stopper | Stainless steel 1.4105 |
| 3 | Short circuit ring | Copper |
| 4 | Magnetic core | Stainless steel 1.4105 |
| 5 | Spring | Stainless steel 1.4310 |
| 6 | O-ring | FKM |
| 7 | Core seal | FKM |
| 8 | Diaphragm holder | Brass |
| 9 | Connection | Brass |
| 10 | Body | PPE/Polyamide |
| 11 | Diaphragm | FKM |
| 12 | Cover | PPE/Polyamide |

5. Dimensions

5.1. Standard version

Note:
Dimensions in mm



6. Performance specifications

6.1. Power consumption

| Orifice [mm] | Circuit function | Coil size [mm] | AC | | | DC | |
|-----------------|---------------------|-------------------|------------------------|-----------------------|-----|-------------------|-------------------|
| | | | Starting power [VA] | Holding power [VA] | [W] | Cold power [W] | Warm power [W] |
| 13 | WWA | 32 | 16 | 9.5 | 5 | 6 | 5 |

7. Ordering information

7.1. Bürkert eShop



Bürkert eShop – Easy ordering and quick delivery

You want to find your desired Bürkert product or spare part quickly and order directly? Our online shop is available for you 24/7. Sign up and enjoy all the benefits.

[Order online now](#)

7.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)

7.3. Bürkert Product Enquiry Form

Bürkert Product Enquiry Form – Your enquiry quickly and compactly

Would you like to make a specific product enquiry based on your technical requirements? Use our Product Enquiry Form for this purpose. There you will find all the relevant information for your Bürkert contact. This will enable us to provide you with the best possible advice.

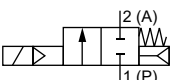












[Fill out the form now](#)

7.4. Ordering chart





Standard version distributor

Note:

- Collector versions are available on request.
- The blocks are supplied with the standard cable plug **Type 2518** ▶, mounting brackets and a 3/4" sealing plug.
- Please note that the cable plug must be ordered separately, see "**Cable plug Type 2518, form A according to DIN EN 175301 - 803**" on [page 8](#) or separate data sheet **Type 2518** ▶.

| Circuit function | Port connection | Orifice | K _v value water | Pressure range | Number of valves | Weight | Article no. | | |
|---|-----------------|---------|----------------------------|----------------|------------------|--------|--|--|--|
| | | | | | per block | [kg] | 024/DC | 024/50...60 | 230/50...60 |
| | | [mm] | [m³/h] | [bar] | | | [V/Hz] | [V/Hz] | [V/Hz] |
| Distributor function, seal material FKM, polyamide coil, medium temperature 0...+ 70 °C | | | | | | | | | |
| A, solenoid valve 2/2-way Servo-controlled Normally closed  | G ½ | 13 | 3.0 | 0.5...10 | 2 | 1.3 | 20040758  | 20040763  | 20040767  |
| | | | | | 3 | 1.7 | 20040760  | 20040764  | 20040768  |
| | | | | | 4 | 2.2 | 20040761  | 20040765  | 20040769  |
| | | | | | 5 | 2.7 | 20040762  | 20040766  | 20040770  |
| | | | | | | | | | |

Further versions on request


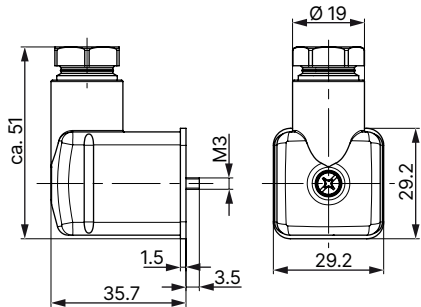
| | |
|---|---|
|  Material Cover: PPE/Polyamide Seal: EPDM/FKM |  Voltage Further voltages |
|  Process connection G 1/4, G 3/8 External thread G 1/2, G 3/4 |  Approval Further information can be found in chapter " 3. Approvals and conformities " on page 4 . |

7.5. Ordering chart accessories

Cable plug Type 2518, form A according to DIN EN 175301 - 803

Note:

- Dimensions in mm
- For further versions see data sheet **Type 2518** ▶.

| Cable plug | Dimensions | Version | Voltage | Article no. |
|---|---|----------------------------------|-----------------|-------------|
|  |  | Without circuitry (AC/DC) | 0...250 V AC/DC | 314802 𐀀 |
| | | With LED (AC/DC) | 12...24 V AC/DC | 314812 𐀀 |
| | | With LED and varistor (AC/DC) | 12...24 V AC/DC | 314820 𐀀 |
| | | With rectifier, LED and varistor | 12...24 V AC/DC | 314816 𐀀 |
| | | | | |