



## Direct-acting 2/2-way or 3/2-way toggle valve

- Direct-acting media-separated valve up to DN 20
- Vibration-proof, block screwed solenoid system
- Energy-saving power reduction for all DC variants
- Increased safety due to electrical position feedback (optional)
- Robust, service-friendly manual override

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

### Can be combined with

|                                                                                     |                                                                                                  |   |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|---|
|   | <b>Type 1087</b><br>Timer,<br>form A according to<br>DIN EN 175301-803                           | ▶ |
|  | <b>Type 2518</b><br>Cable plug,<br>form A according to<br>DIN EN 175301-803                      | ▶ |
|  | <b>Type 1060</b><br>Electrical position feedback<br>for pneumatically operated<br>process valves | ▶ |

### Type description

The 0131 valve is a direct-acting toggle valve. A variety of seal material combinations are available depending on the application. Thanks to the diaphragm separation between actuator and fluid housing, aggressive media such as acids and alkaline solutions can also be safely controlled. The assortment is rounded out with plastic housings made of PVC. The solenoids are moulded with a highly resistant chemical epoxy. "Kick and drop" electronics are moulded into all DC solenoid variants for reduced electrical power consumption. An optional electrical position feedback sensor reliably detects the switching position. Conformity for drinking water applications according to the German regulations (drinking water regulation) is available. Furthermore, versions of type 0131 are available that conform with DIN EN 45545:2016 (standard parts 2 and 5) – fire protection in railway vehicles.

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## 1. General technical data

### 1.1. Standard version

| Product properties                        |                                                                                                                                                                                                                    |
|-------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                                | Further information can be found in chapter "5. Dimensions" on page 9.                                                                                                                                             |
| <b>Material</b>                           |                                                                                                                                                                                                                    |
| Seal                                      | NBR, EPDM, FKM                                                                                                                                                                                                     |
| Body                                      | PVC, brass                                                                                                                                                                                                         |
| Coil                                      | Epoxy                                                                                                                                                                                                              |
| Valve inner parts                         | Further information can be found in chapter "4. Materials" on page 6.                                                                                                                                              |
| Orifice                                   | DN 10...DN 20                                                                                                                                                                                                      |
| Circuit function                          | A, B, C, D, E, F<br>Further information can be found in chapter "2. Circuit functions" on page 5.                                                                                                                  |
| Thermal insulation class of solenoid coil | Epoxy coil class H                                                                                                                                                                                                 |
| Performance data                          |                                                                                                                                                                                                                    |
| Duty cycle                                | 100 % continuous operation                                                                                                                                                                                         |
| Switching frequency                       | 60/min with AC<br>Max. 6/min with UC                                                                                                                                                                               |
| Switching time <sup>1.)</sup>             | Opening: 10...20 ms<br>Closing: 40...60 ms                                                                                                                                                                         |
| Electrical data                           |                                                                                                                                                                                                                    |
| Operating voltage <sup>2.)</sup>          | 24 V UC, 230 V UC, 24 V 50 Hz, 230 V 50 Hz (other voltages on request)                                                                                                                                             |
| <b>Power consumption</b>                  |                                                                                                                                                                                                                    |
| Inrush                                    | AC: 100...120 VA<br>UC: 100 W                                                                                                                                                                                      |
| Hold                                      | AC: 48 VA/16 W<br>UC: 9 W                                                                                                                                                                                          |
| Voltage tolerance                         | ± 10 %                                                                                                                                                                                                             |
| Medium data                               |                                                                                                                                                                                                                    |
| Operating medium                          | Aggressive and non-aggressive fluids, neutral gases, aggressive gases according to their diffusion properties                                                                                                      |
| <b>Medium temperature (Body + Seal)</b>   |                                                                                                                                                                                                                    |
| With PVC/EPDM                             | - 10 °C...+ 50 °C                                                                                                                                                                                                  |
| With PVC/FKM                              | - 10 °C...+ 50 °C                                                                                                                                                                                                  |
| With Brass/EPDM                           | - 30 °C...+ 130 °C <sup>2.)</sup>                                                                                                                                                                                  |
| With Brass/FKM                            | - 10 °C...+ 130 °C <sup>2.)</sup>                                                                                                                                                                                  |
| With Brass/NBR                            | - 10 °C...+ 90 °C                                                                                                                                                                                                  |
| Viscosity                                 | Max. 37 mm <sup>2</sup> /s                                                                                                                                                                                         |
| Process/Port connection & communication   |                                                                                                                                                                                                                    |
| Electrical connection                     | Plug contacts according to DIN EN 175301 - 803 form A for cable plug <b>Type 2518 ▶</b><br>Further information can be found in chapter "Cable plug Type 2518, form A according to DIN EN 175301 - 803" on page 20. |
| Approvals and conformities                |                                                                                                                                                                                                                    |
| Degree of protection                      | IP65 with cable plug                                                                                                                                                                                               |
| Environment and installation              |                                                                                                                                                                                                                    |
| Installation position                     | Any, preferably actuator face up                                                                                                                                                                                   |
| Ambient temperature                       | Max. + 50 °C                                                                                                                                                                                                       |

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

2.) Max. medium temperature for versions with high-performance electronics (encoding .../UC) is 90 °C.

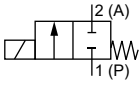
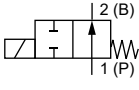
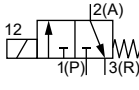
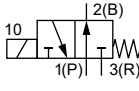
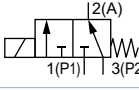
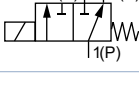
## 1.2. Version for railway application

| Product properties                                      |                                                                                                                                                                                                                    |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Dimensions                                              | Further information can be found in chapter "5. Dimensions" on page 9.                                                                                                                                             |
| Material                                                |                                                                                                                                                                                                                    |
| Seal                                                    | EPDM                                                                                                                                                                                                               |
| Body                                                    | Brass                                                                                                                                                                                                              |
| Coil                                                    | Epoxy                                                                                                                                                                                                              |
| Orifice                                                 | DN 10...DN 20                                                                                                                                                                                                      |
| Circuit function                                        | A and B<br>Further information can be found in chapter "2. Circuit functions" on page 5.                                                                                                                           |
| Thermal insulation class of solenoid coil               | Epoxy coil class H                                                                                                                                                                                                 |
| Performance data                                        |                                                                                                                                                                                                                    |
| Duty cycle                                              | 100 % continuous operation                                                                                                                                                                                         |
| Switching frequency                                     | Max. 6/min                                                                                                                                                                                                         |
| Switching time <sup>1)</sup>                            | Open: 10...20 ms<br>Close: 40...60 ms                                                                                                                                                                              |
| Electrical data                                         |                                                                                                                                                                                                                    |
| Operating voltage <sup>2)</sup>                         | 24 V/UC, 110 V/UC, 230 V/UC, (36 V/UC on request)                                                                                                                                                                  |
| Power consumption                                       |                                                                                                                                                                                                                    |
| Inrush                                                  | 100 W                                                                                                                                                                                                              |
| Hold                                                    | 9 W (after 500 ms)                                                                                                                                                                                                 |
| Voltage tolerance                                       | ± 30 %                                                                                                                                                                                                             |
| Current consumption at 30 % increased operating voltage | 31.2 V = 7.60 A<br>143.0 V = 1.80 A<br>299.0 V = 0.76 A                                                                                                                                                            |
| Medium data                                             |                                                                                                                                                                                                                    |
| Operating medium                                        | Neutral fluids (e.g. drinking water) or neutral gases (e.g. compressed air)                                                                                                                                        |
| Medium temperature                                      | - 30 °C...+ 80 °C                                                                                                                                                                                                  |
| Viscosity                                               | Max. 37 mm²/s                                                                                                                                                                                                      |
| Process/Port connection & communication                 |                                                                                                                                                                                                                    |
| Electrical connection                                   | Plug contacts according to DIN EN 175301 - 803 form A for cable plug <b>Type 2518</b> ▶<br>Further information can be found in chapter "Cable plug Type 2518, form A according to DIN EN 175301 - 803" on page 20. |
| Approvals and conformities                              |                                                                                                                                                                                                                    |
| Degree of protection                                    | IP65 with cable plug                                                                                                                                                                                               |
| North America (USA/Canada)                              | Further information can be found in chapter "3.4. North America (USA/Canada)" on page 5.                                                                                                                           |
| Drinking water                                          | Further information can be found in chapter "3.5. Drinking water" on page 6.                                                                                                                                       |
| Others                                                  | Further information can be found in chapter "3.6. Others" on page 6.                                                                                                                                               |
| Environment and installation                            |                                                                                                                                                                                                                    |
| Installation position                                   | As required, preferably with actuator upright                                                                                                                                                                      |
| Max. system pressure in flow direction                  | 8 bar (switching pressure max. 3 bar depending on orifice)                                                                                                                                                         |
| Ambient temperature                                     | - 30 °C...+ 70 °C                                                                                                                                                                                                  |

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

2.) UC = Universal Current, AC and DC possible

## 2. Circuit functions

| Symbol                                                                            | Description                                                                                      |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|
|  | <b>Circuit function A (CF A)</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally closed   |
|  | <b>Circuit function B (CF B)</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally open     |
|  | <b>Circuit function C (CF C)</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally closed   |
|  | <b>Circuit function D (CF D)</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally open     |
|  | <b>Circuit function E (CF E)</b><br>3/2-way mixing valve (solenoid valve)                        |
|  | <b>Circuit function F (CF F)</b><br>3/2-way distribution valve (solenoid valve)<br>Direct-acting |

## 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. North America (USA/Canada)

| Approval                                                                            | Description                                                                                                                                                                                                                                                        |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Optional (valid for coils): UL Recognized for the USA and Canada</b><br>The coils are UL Recognized for the USA and Canada according to: <ul style="list-style-type: none"> <li>UL 429 (electrically operated valves)</li> <li>CAN/CSA-C22.2 No. 139</li> </ul> |

3.5. Drinking water

| Conformity            | Description                                                                                                                                                                                                                                                                                       |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>H<sub>2</sub>O</b> | <b>Suitable for use in drinking water applications</b><br><b>The materials comply with the assessment principles (UBA) for materials in contact with drinking water (TrinkwasserV).</b><br><br><b>Brass body:</b><br>PF36: Suitable for products with a maximum temperature of 60 °C (warm water) |

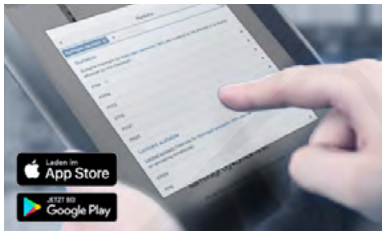
3.6. Others

Fire protection on railway vehicles

| Approval            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DIN EN 45545</b> | <b>Optional: Fire protection on railway vehicles in accordance with DIN EN 45545 applicable parts 2 and 5: requirements for fire behaviour of materials and components</b><br>The products comply with the fire protection requirements in accordance with applicable parts 2 and 5 of DIN EN 45545 for use in the interior of railway vehicles for operating classes 1 - 3 (OC1 - 3) in conjunction with hazard levels 1 - 2 (HL1 - 2) in accordance with the manufacturer's declaration. |

4. Materials

4.1. Bürkert resistApp

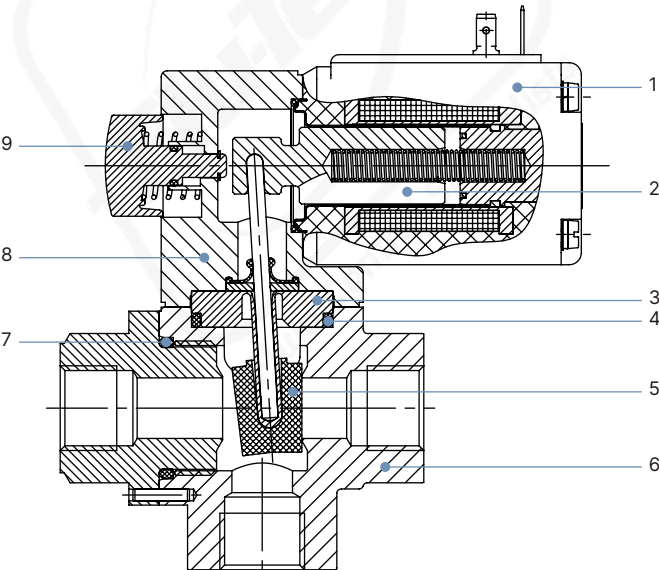


**Bürkert resistApp – Chemical resistance chart**

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.

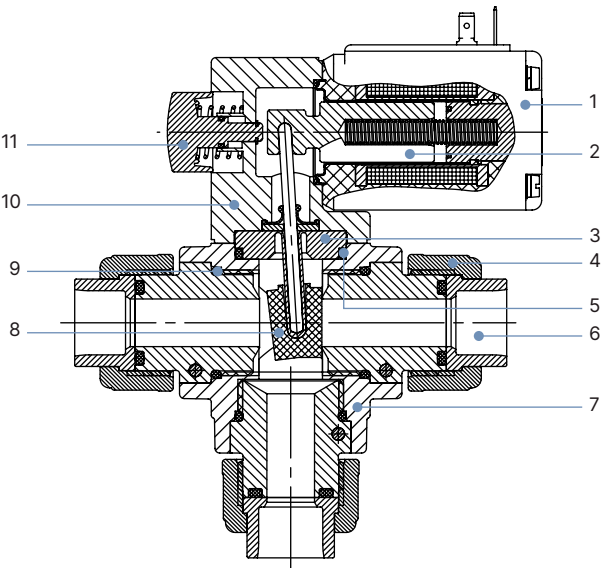
[Start chemical resistance check](#)

4.2. 3/2-way brass version



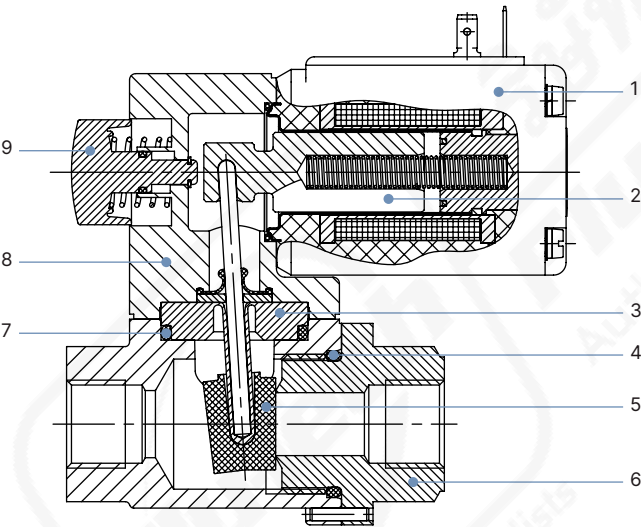
| No. | Element                               | Material               |
|-----|---------------------------------------|------------------------|
| 1   | Coil                                  | Epoxy                  |
| 2   | Plunger                               | Stainless steel 1.4105 |
| 3   | Toggle pin                            | PTFE                   |
| 4   | O-ring                                | NBR, FKM, EPDM         |
| 5   | Closing body                          | NBR, FKM, EPDM         |
| 6   | Housing                               | Brass                  |
| 7   | O-ring                                | NBR, FKM, EPDM         |
| 8   | Lateral flange                        | PC                     |
| 9   | Manual override with locking function |                        |

4.3. 3/2-way plastic version with union nut and connection fitting



| No. | Element                               | Material                       |
|-----|---------------------------------------|--------------------------------|
| 1   | Coil                                  | Epoxy                          |
| 2   | Plunger                               | Stainless steel 1.4105         |
| 3   | Toggle pin                            | PTFE                           |
| 4   | Union nut                             | PVC                            |
| 5   | O-ring                                | FKM, EPDM                      |
| 6   | Connection fitting                    | True union, threaded, weld end |
| 7   | Body                                  | PVC                            |
| 8   | Closing body                          | FKM, EPDM                      |
| 9   | O-ring                                | FKM, EPDM                      |
| 10  | Lateral flange                        | PC                             |
| 11  | Manual override with locking function |                                |

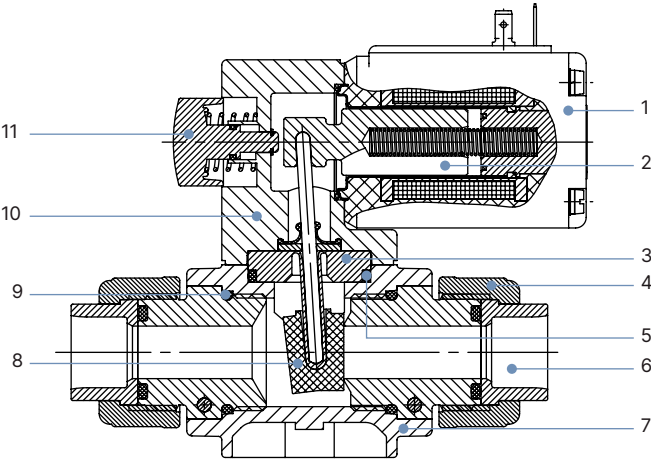
4.4. 2/2-way brass version



| No. | Element                               | Material               |
|-----|---------------------------------------|------------------------|
| 1   | Coil                                  | Epoxy                  |
| 2   | Plunger                               | Stainless steel 1.4105 |
| 3   | Toggle pin                            | PTFE                   |
| 4   | O-ring                                | NBR, FKM, EPDM         |
| 5   | Closing body                          | NBR, FKM, EPDM         |
| 6   | Body                                  | Brass                  |
| 7   | O-ring                                | NBR, FKM, EPDM         |
| 8   | Lateral flange                        | PC                     |
| 9   | Manual override with locking function |                        |

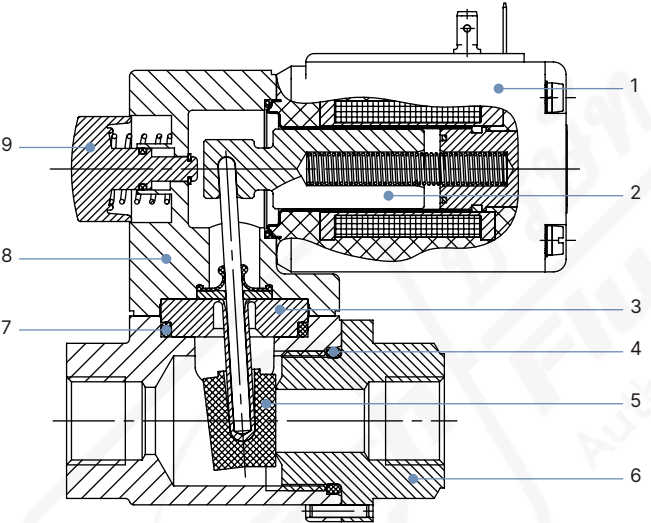


4.5. 2/2-way plastic version with true union nut and connection fitting



| No. | Element                               | Material                       |
|-----|---------------------------------------|--------------------------------|
| 1   | Coil                                  | Epoxy                          |
| 2   | Plunger                               | Stainless steel 1.4105         |
| 3   | Toggle pin                            | PTFE                           |
| 4   | True union nut                        | PVC                            |
| 5   | O-ring                                | FKM, EPDM                      |
| 6   | Connection fitting                    | True union, threaded, weld end |
| 7   | Body                                  | PVC                            |
| 8   | Closing body                          | FKM, EPDM                      |
| 9   | O-ring                                | FKM, EPDM                      |
| 10  | Lateral flange                        | PC                             |
| 11  | Manual override with locking function |                                |

4.6. 2/2-way brass version for railway application



| No. | Element                               | Material               |
|-----|---------------------------------------|------------------------|
| 1   | Coil                                  | Epoxy                  |
| 2   | Plunger                               | Stainless steel 1.4105 |
| 3   | Toggle pin                            | PTFE <sup>1.)</sup>    |
| 4   | O-ring                                | EPDM <sup>2.)</sup>    |
| 5   | Closing body                          | EPDM <sup>2.)</sup>    |
| 6   | Body                                  | Brass                  |
| 7   | O-ring                                | EPDM <sup>2.)</sup>    |
| 8   | Lateral flange                        | PC                     |
| 9   | Manual override with locking function |                        |

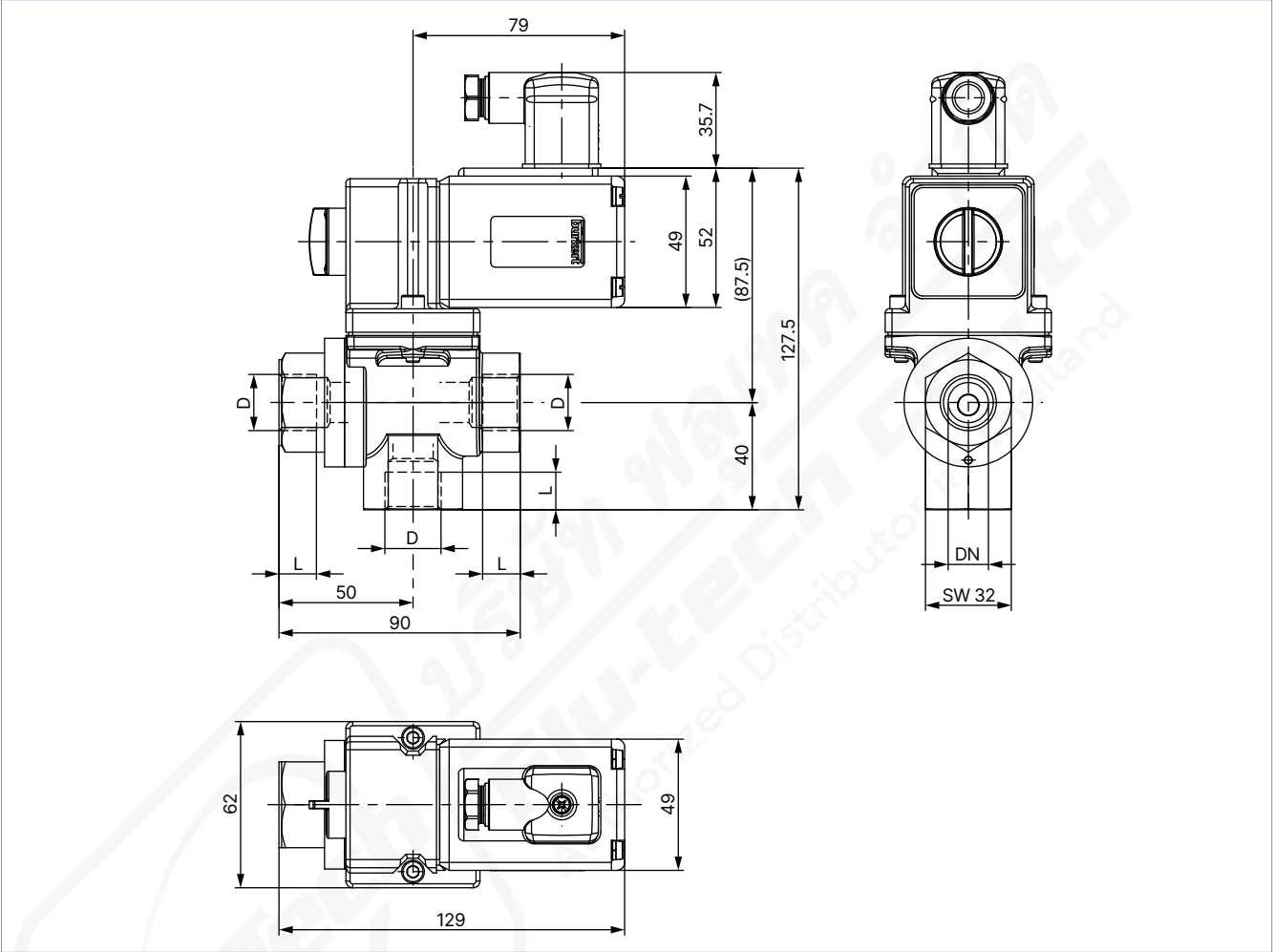
1.) PTFE suitable for drinking water  
2.) EPDM with KTW and W270 certificate



5. Dimensions

5.1. 3/2-way brass version

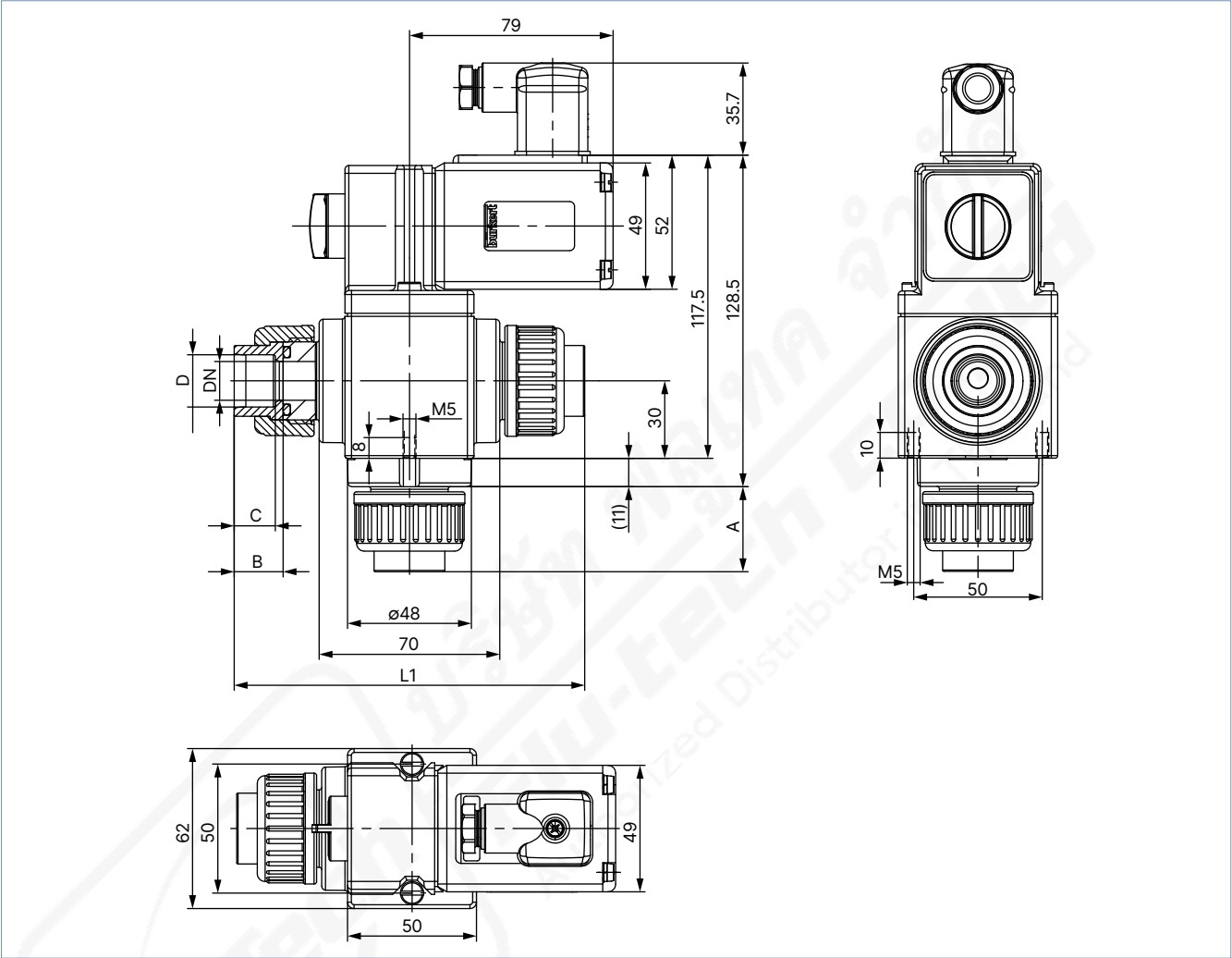
**Note:**  
Dimensions in mm



| Material | DN | Connection | D     | L  |
|----------|----|------------|-------|----|
| Brass    | 10 | Threaded   | G 3/8 | 12 |
| Brass    | 15 | Threaded   | G 1/2 | 14 |
| Brass    | 20 | Threaded   | G 3/4 | 16 |

5.2. 3/2-way plastic version with union nut and connection fitting

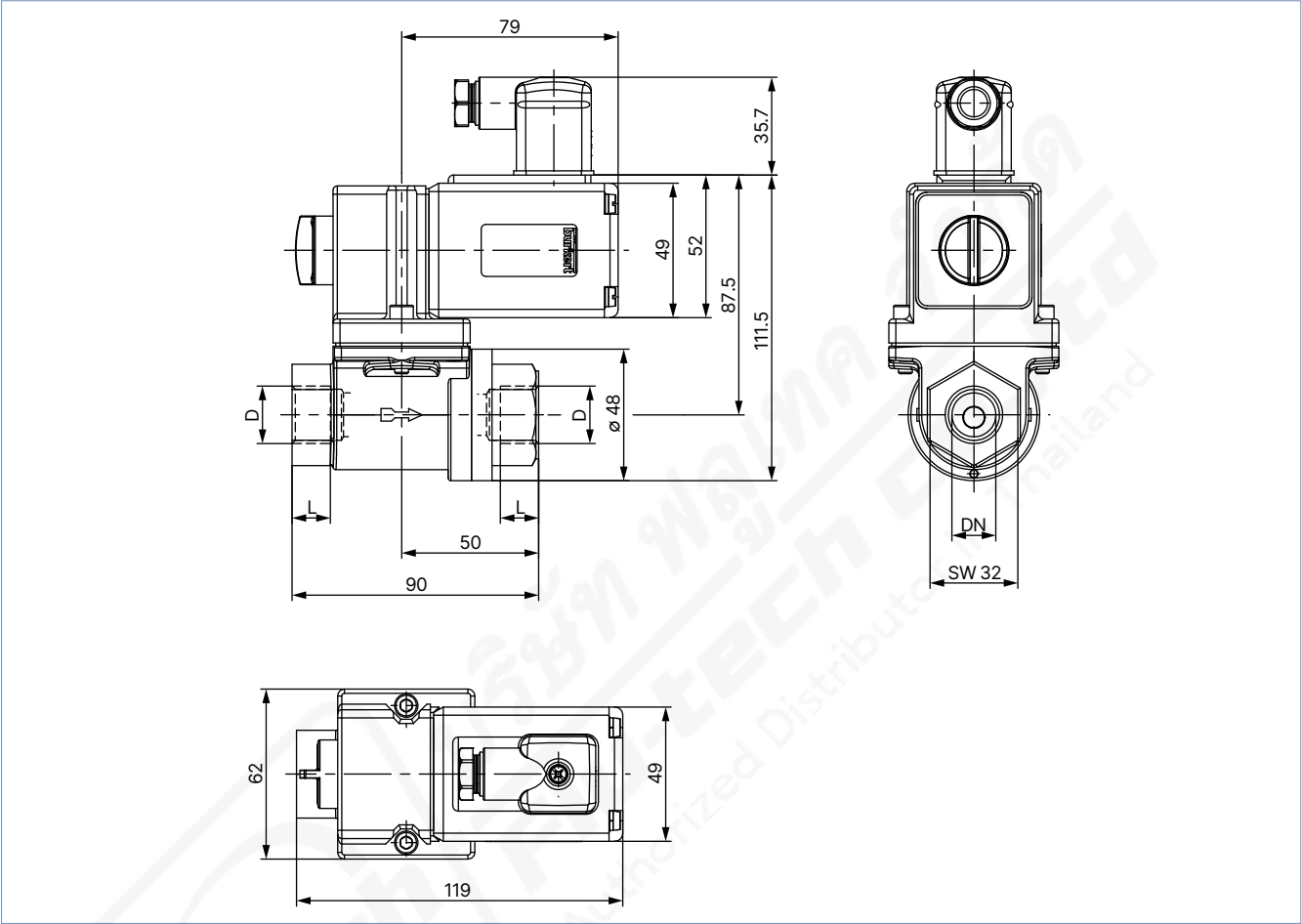
**Note:**  
Dimensions in mm



| Material | DN                       | Connection          | A  | B  | C  | D       | L 1 |
|----------|--------------------------|---------------------|----|----|----|---------|-----|
| PVC      | 10                       | True union          | 30 | 17 | 14 | Ø 16.2  | 130 |
|          |                          | Threaded connection | 30 | 17 | 12 | G 3/8   | 130 |
|          |                          | Threaded connection | 30 | 17 | 12 | NPT 3/8 | 130 |
|          | 10 (with port for DN 15) | True union          | 32 | 19 | 16 | Ø 20.2  | 134 |
|          |                          | Threaded connection | 32 | 19 | 13 | G 1/2   | 134 |
|          |                          | Threaded connection | 32 | 19 | 14 | NPT 1/2 | 134 |
|          | 15                       | True union          | 33 | 19 | 16 | Ø 20.2  | 136 |
|          |                          | Threaded connection | 33 | 19 | 13 | G 1/2   | 136 |
|          |                          | Threaded connection | 33 | 19 | 14 | NPT 1/2 | 136 |
|          | 15 (with port for DN 20) | True union          | 36 | 22 | 19 | Ø 25.2  | 142 |
|          |                          | Threaded connection | 36 | 22 | 15 | G 3/4   | 142 |
|          |                          | Threaded connection | 36 | 22 | 16 | NPT 3/4 | 142 |
|          | 20                       | True union          | 37 | 22 | 19 | Ø 25.2  | 144 |
|          |                          | Threaded connection | 37 | 22 | 15 | G 3/4   | 144 |
|          |                          | Threaded connection | 37 | 22 | 16 | NPT 3/4 | 144 |

5.3. 2/2-way brass version for standard and railway application

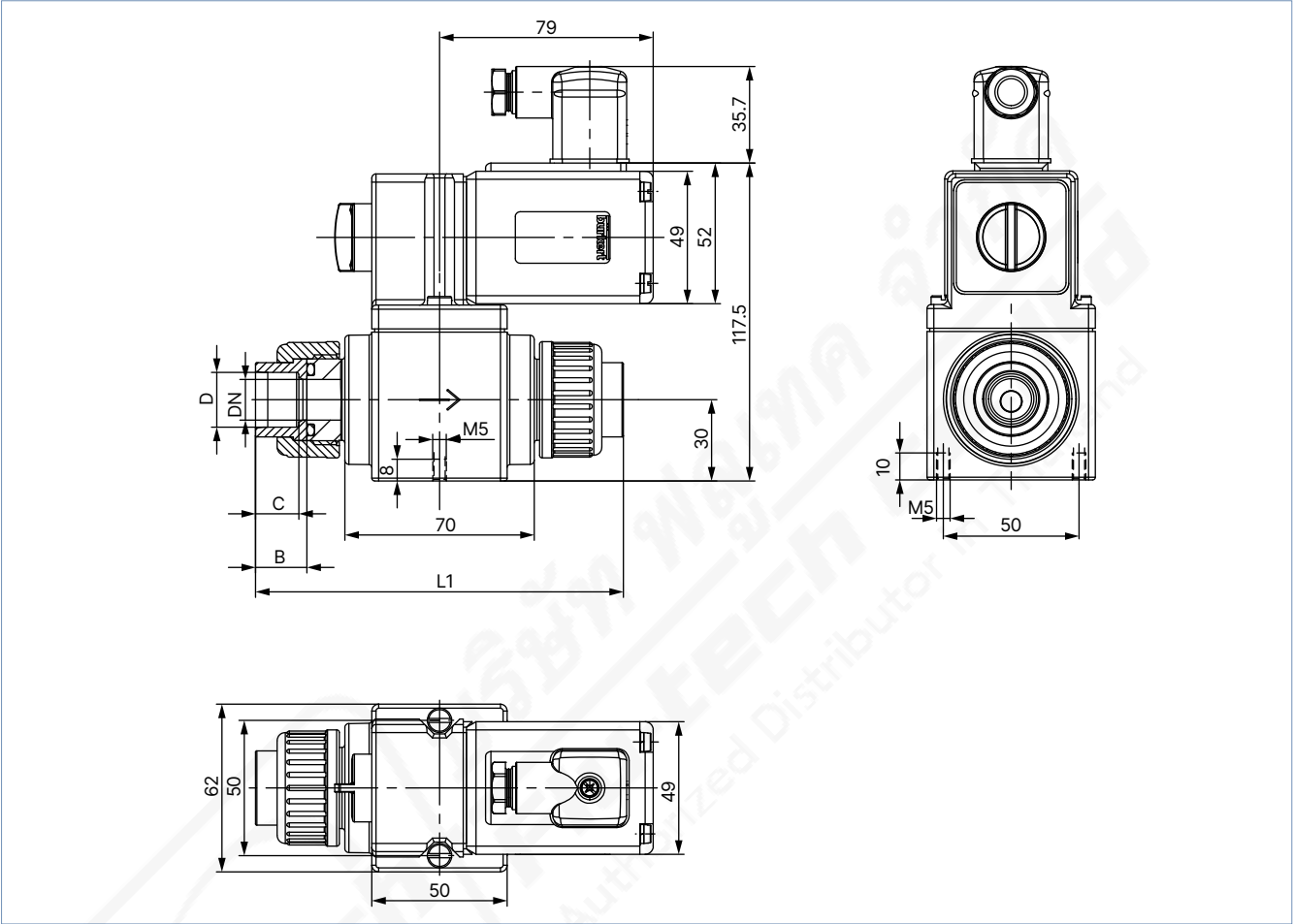
**Note:**  
Dimensions in mm



| Material | DN | Connection | D     | L  |
|----------|----|------------|-------|----|
| Brass    | 10 | Threaded   | G 3/8 | 12 |
| Brass    | 15 | Threaded   | G 1/2 | 14 |
| Brass    | 20 | Threaded   | G 3/4 | 16 |

5.4. 2/2-way plastic version with true union nut and connection fitting

**Note:**  
Dimensions in mm

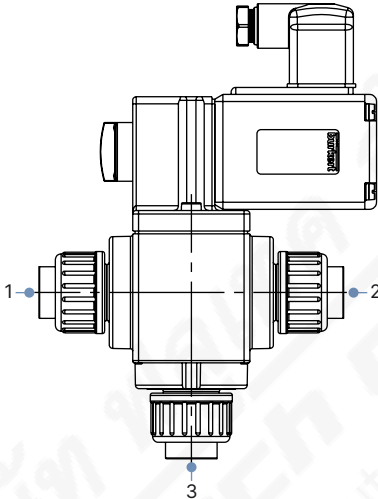
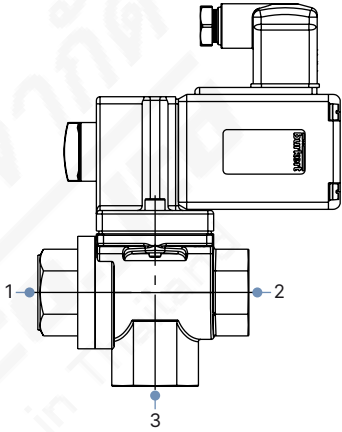


| Material | DN                       | Connection | B  | C  | D       | L 1 | L 2   |
|----------|--------------------------|------------|----|----|---------|-----|-------|
| PVC      | 10                       | True union | 17 | 14 | Ø 16.2  | 130 | 99.5  |
|          |                          | Threaded   | 17 | 12 | G 3/8   | 130 | 99.5  |
|          |                          | Threaded   | 17 | 12 | NPT 3/8 | 130 | 99.5  |
| PVC      | 10 (with port for DN 15) | True union | 19 | 16 | Ø 20.2  | 134 | 101.5 |
|          |                          | Threaded   | 19 | 13 | G 1/2   | 134 | 101.5 |
|          |                          | Threaded   | 19 | 14 | NPT 1/2 | 134 | 101.5 |
|          | 15                       | True union | 19 | 16 | Ø 20.2  | 136 | 103.0 |
|          |                          | Threaded   | 19 | 13 | G 1/2   | 136 | 103.0 |
|          |                          | Threaded   | 19 | 14 | NPT 1/2 | 136 | 103.0 |
|          | 15 (with port for DN 20) | True union | 22 | 19 | Ø 25.2  | 142 | 106.0 |
|          |                          | Threaded   | 22 | 15 | G 3/4   | 142 | 106.0 |
|          |                          | Threaded   | 22 | 16 | NPT 3/4 | 142 | 106.0 |
|          | 20                       | True union | 22 | 19 | Ø 25.2  | 144 | 107.0 |
|          |                          | Threaded   | 22 | 15 | G 3/4   | 144 | 107.0 |
|          |                          | Threaded   | 22 | 16 | NPT 3/4 | 144 | 107.0 |

6. Device/Process connections

6.1. Pin assignment

**Note:**  
The pin assignment (marked No. 1, 2 and 3 in the drawing) depends on the circuit function. In the table, compare the respective pin assignment with the corresponding circuit function.

| Circuit function | Connection 1 | Connection 2 | Connection 3 | 3/2-way plastic version                                                             | 3/2-way brass version                                                               |
|------------------|--------------|--------------|--------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| C                | R            | P            | A            |  |  |
| D                | P            | R            | B            |                                                                                     |                                                                                     |
| E                | P2           | P1           | A            |                                                                                     |                                                                                     |
| F                | B            | A            | P            |                                                                                     |                                                                                     |

## 7. Ordering information

### 7.1. Bürkert eShop



#### Bürkert eShop – Easy ordering and quick delivery

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### 7.2. Bürkert product filter

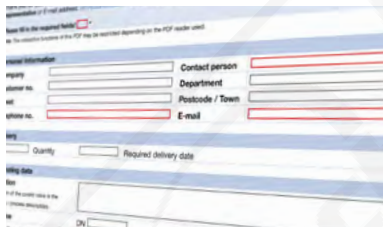


#### Bürkert product filter – Get quickly to the right product

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.

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### 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.

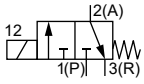
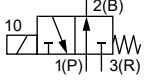
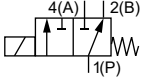
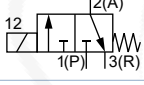
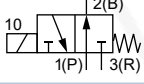
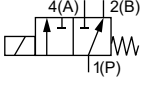
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## 7.4. Ordering chart

### 3/2-way version, seal material EPDM

#### Note:

Further information on the circuit functions can be found in chapter "2. Circuit functions" on page 5.

| Circuit function                                                                                                                                                   | Port connection | Orifice | K <sub>v</sub> value water | Pressure range | Body material | Article no. |             |        |        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------------|----------------|---------------|-------------|-------------|--------|--------|
|                                                                                                                                                                    | [inch resp. mm] | [mm]    | [m <sup>3</sup> /h]        | [bar]          |               | 024 / AC/DC | 230 / AC/DC | 024/50 | 230/50 |
|                                                                                                                                                                    |                 |         |                            |                |               | [V/Hz]      | [V/Hz]      | [V/Hz] | [V/Hz] |
| <b>CF C</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally closed<br>     | G 3/8           | 10      | 2.0                        | 0...1          | PVC           | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | G 1/2           |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | True union Ø 16 |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | True union Ø 20 |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | G 1/2           | 15      | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | True union Ø 20 |         | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | True union Ø 25 |         | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | True union Ø 25 |         | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    |                 |         |                            |                |               | o. r.       | o. r.       | o. r.  | o. r.  |
| <b>CF D</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally open<br>       | G 3/8           | 10      | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 1/2           |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | True union Ø 16 |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | True union Ø 20 |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 1/2           | 15      | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | True union Ø 20 |         | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | True union Ø 25 |         | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | True union Ø 25 |         | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    |                 |         |                            |                |               | o. r.       | o. r.       | o. r.  | o. r.  |
| <b>CF F</b><br>3/2-way distribution valve (solenoid valve)<br>Direct-acting<br> | G 3/8           | 10      | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 1/2           |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | 076537 | o. r.  |
|                                                                                                                                                                    | True union Ø 16 |         | 2.0                        | 0...1          |               | 055770      | o. r.       | 064266 | 052546 |
|                                                                                                                                                                    | True union Ø 20 |         | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 1/2           | 15      | 4.0                        | 0...0.5        |               | 025876      | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | True union Ø 20 |         | 4.0                        | 0...0.5        |               | 049883      | o. r.       | 058279 | 052071 |
|                                                                                                                                                                    | True union Ø 25 |         | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | True union Ø 25 |         | 5.0                        | 0...0.25       |               | 067076      | o. r.       | 040921 | 054564 |
|                                                                                                                                                                    |                 |         |                            |                |               | o. r.       | o. r.       | o. r.  | o. r.  |
| <b>CF C</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally closed<br>   | G 3/8           | 10      | 2.0                        | 0...1          | Brass         | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    | G 1/2           | 15      | 4.0                        | 0...0.5        |               | 046648      | o. r.       | —      | —      |
|                                                                                                                                                                    | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | —      | —      |
|                                                                                                                                                                    |                 |         |                            |                |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 3/8           | 10      | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 1/2           | 15      | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.  | o. r.  |
| <b>CF D</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally open<br>     | G 3/8           | 10      | 2.0                        | 0...1          |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 1/2           | 15      | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | o. r.  | o. r.  |
| <b>CF F</b><br>3/2-way distribution valve (solenoid valve)<br>Direct-acting<br> | G 3/8           | 10      | 2.0                        | 0...1          | Brass         | o. r.       | o. r.       | o. r.  | o. r.  |
|                                                                                                                                                                    | G 1/2           | 15      | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.  | 053634 |
|                                                                                                                                                                    | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | o. r.  | o. r.  |

o. r. = on request

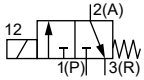
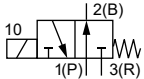
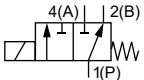
— = not available



## 3/2-way version, seal material NBR

**Note:**

Further information on the circuit functions can be found in chapter "2. Circuit functions" on page 5.

| Circuit function                                                                                                                                                  | Port connection | Orifice | K <sub>v</sub> value water | Pressure range | Body material | Article no. |             |          |          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------------|----------------|---------------|-------------|-------------|----------|----------|
|                                                                                                                                                                   | [inch resp. mm] | [mm]    | [m <sup>3</sup> /h]        | [bar]          |               | 024 / AC/DC | 230 / AC/DC | 024/50   | 230/50   |
|                                                                                                                                                                   |                 |         |                            |                |               | [V/Hz]      | [V/Hz]      | [V/Hz]   | [V/Hz]   |
| <b>CF C</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally closed<br>    | G 3/8           | 10      | 2.0                        | 0...1          | Brass         | 048997 ☒    | 059302 ☒    | –        | –        |
|                                                                                                                                                                   | G 1/2           | 15      | 4.0                        | 0...0.5        |               | 062737 ☒    | 062481 ☒    | –        | –        |
|                                                                                                                                                                   | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | 049470 ☒    | –        | –        |
| <b>CF D</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally open<br>      | G 3/8           | 10      | 2.0                        | 0...1          | Brass         | o. r.       | o. r.       | o. r.    | o. r.    |
|                                                                                                                                                                   | G 1/2           | 15      | 4.0                        | 0...0.5        |               | 021964 ☒    | o. r.       | o. r.    | 051556 ☒ |
|                                                                                                                                                                   | G 3/4           | 20      | 5.0                        | 0...0.25       |               | o. r.       | o. r.       | o. r.    | o. r.    |
| <b>CF F</b><br>3/2-way distribution valve (solenoid valve)<br>Direct-acting<br> | G 3/8           | 10      | 2.0                        | 0...1          | Brass         | 064025 ☒    | o. r.       | o. r.    | 062960 ☒ |
|                                                                                                                                                                   | G 1/2           | 15      | 4.0                        | 0...0.5        |               | o. r.       | o. r.       | 045916 ☒ | 062124 ☒ |
|                                                                                                                                                                   | G 3/4           | 20      | 5.0                        | 0...0.25       |               | 140798 ☒    | o. r.       | 062119 ☒ | 079567 ☒ |

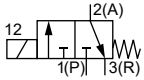
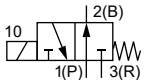
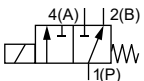
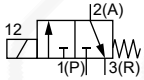
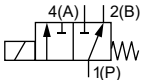
o. r. = on request

– = not available

## 3/2-way version, seal material FKM

## Note:

Further information on the circuit functions can be found in chapter "2. Circuit functions" on page 5.

| Circuit function                                                                                                                                                          | Port connection<br>[inch resp. mm] | Orifice<br>[mm] | K <sub>v</sub> value<br>water<br>[m³/h] | Pressure<br>range<br>[bar] | Body<br>material | Article no.           |                       |                  |                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|-----------------|-----------------------------------------|----------------------------|------------------|-----------------------|-----------------------|------------------|------------------|
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | 024 / AC/DC<br>[V/Hz] | 230 / AC/DC<br>[V/Hz] | 024/50<br>[V/Hz] | 230/50<br>[V/Hz] |
| <b>CF C</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally closed<br><br>        | G 3/8                              | 10              | 2.0                                     | 0...1                      | PVC              | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | G 1/2                              |                 |                                         |                            |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | True union Ø 16                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | True union Ø 20                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | True union Ø 20                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | True union Ø 25                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | G 3/4                              | 20              | 5.0                                     | 0...0.25                   |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | True union Ø 25                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
| <b>CF D</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally open<br><br>          | G 3/8                              | 10              | 2.0                                     | 0...1                      | PVC              | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 1/2                              |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 16                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 20                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | 172866 ☞         |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 20                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 25                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/4                              | 20              | 5.0                                     | 0...0.25                   |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 25                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | 065194 ☞              | o. r.                 | o. r.            | 052183 ☞         |
| <b>CF F</b><br>3/2-way distribution<br>valve (solenoid valve)<br>Direct-acting<br><br> | G 3/8                              | 10              | 2.0                                     | 0...1                      | PVC              | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 1/2                              |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 16                    |                 |                                         |                            |                  | 058362 ☞              | o. r.                 | o. r.            | 052619 ☞         |
|                                                                                                                                                                           | True union Ø 20                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 20                    |                 |                                         |                            |                  | 058710 ☞              | o. r.                 | o. r.            | 050904 ☞         |
|                                                                                                                                                                           | True union Ø 25                    |                 |                                         |                            |                  | o. r.                 | 020687 ☞              | o. r.            | 042470 ☞         |
|                                                                                                                                                                           | G 3/4                              | 20              | 5.0                                     | 0...0.25                   |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | True union Ø 25                    |                 |                                         |                            |                  | 058363 ☞              | o. r.                 | 068352 ☞         | 066280 ☞         |
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | –                | –                |
| <b>CF C</b><br>3/2-way solenoid valve<br>Direct-acting<br>Normally closed<br><br>      | G 3/8                              | 10              | 2.0                                     | 0...1                      | Brass            | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           | G 3/4                              | 20              | 5.0                                     | 0...0.25                   |                  | o. r.                 | o. r.                 | –                | –                |
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/8                              | 10              | 2.0                                     | 0...1                      |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/4                              | 20              | 5.0                                     | 0...0.25                   |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/8                              | 10              | 2.0                                     | 0...1                      |                  | 053050 ☞              | 069814 ☞              | o. r.            | 058915 ☞         |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
| <b>CF F</b><br>3/2-way distribution<br>valve (solenoid valve)<br>Direct-acting<br><br> | G 3/8                              | 10              | 2.0                                     | 0...1                      | Brass            | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/4                              | 20              | 5.0                                     | 0...0.25                   |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/8                              | 10              | 2.0                                     | 0...1                      |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/4                              | 20              | 5.0                                     | 0...0.25                   |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           |                                    |                 |                                         |                            |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 3/8                              | 10              | 2.0                                     | 0...1                      |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                           | G 1/2                              | 15              | 4.0                                     | 0...0.5                    |                  | o. r.                 | o. r.                 | o. r.            | o. r.            |

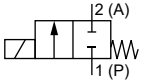
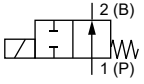
o. r. = on request

– = not available

## 2/2-way version, seal material EPDM

**Note:**

Further information on the circuit functions can be found in chapter "2. Circuit functions" on page 5.

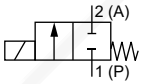
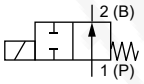
| Circuit function                                                                                                                                               | Port connection | Orifice | K <sub>v</sub> value water | Pressure range | Body material | Article no.           |                       |                  |                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------------|----------------|---------------|-----------------------|-----------------------|------------------|------------------|
|                                                                                                                                                                | [inch resp. mm] | [mm]    | [m³/h]                     | [bar]          |               | 024 / AC/DC<br>[V/Hz] | 230 / AC/DC<br>[V/Hz] | 024/50<br>[V/Hz] | 230/50<br>[V/Hz] |
| <b>CF A</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally closed<br> | G 3/8           | 10      | 2.0                        | 0...3          | Brass         | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                | G 1/2           | 15      | 4.5                        | 0...1          |               | o. r.                 | o. r.                 | o. r.            | 056281 ㉞         |
|                                                                                                                                                                | G 3/4           | 20      | 6.0                        | 0...0.5        |               | o. r.                 | o. r.                 | o. r.            | o. r.            |
| <b>CF B</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally open<br>   | G 3/8           | 10      | 2.0                        | 0...2          |               | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                | G 1/2           | 15      | 4.5                        | 0...1          |               | 049793 ㉞              | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                | G 3/4           | 20      | 6.0                        | 0...0.5        |               | 280187 ㉞              | 289458 ㉞              | o. r.            | o. r.            |
|                                                                                                                                                                |                 |         |                            |                |               |                       |                       |                  |                  |

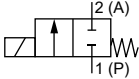
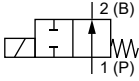
o. r. = on request

## 2/2-way version, seal material FKM

**Note:**

Further information on the circuit functions can be found in chapter "2. Circuit functions" on page 5.

| Circuit function                                                                                                                                                 | Port connection | Orifice | K <sub>v</sub> value water | Pressure range | Body material | Article no.           |                       |                  |                  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------------|----------------|---------------|-----------------------|-----------------------|------------------|------------------|
|                                                                                                                                                                  | [inch resp. mm] | [mm]    | [m³/h]                     | [bar]          |               | 024 / AC/DC<br>[V/Hz] | 230 / AC/DC<br>[V/Hz] | 024/50<br>[V/Hz] | 230/50<br>[V/Hz] |
| <b>CF A</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally closed<br> | G 3/8           | 10      | 2.0                        | 0...3          | PVC           | o. r.                 | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                  | G 1/2           |         | 2.0                        | 0...3          |               | 086273 ㉞              | o. r.                 | o. r.            | o. r.            |
|                                                                                                                                                                  | True union Ø 16 |         | 2.0                        | 0...3          |               | 047915 ㉞              | o. r.                 | 052953 ㉞         | 050443 ㉞         |
|                                                                                                                                                                  | True union Ø 20 |         | 2.0                        | 0...3          |               | 056060 ㉞              | o. r.                 | 055817 ㉞         | 056789 ㉞         |
|                                                                                                                                                                  | G 1/2           | 15      | 4.5                        | 0...1          |               | 047398 ㉞              | o. r.                 | o. r.            | 056663 ㉞         |
|                                                                                                                                                                  | True union Ø 20 |         | 4.5                        | 0...1          |               | 053882 ㉞              | o. r.                 | 051641 ㉞         | 050787 ㉞         |
|                                                                                                                                                                  | True union Ø 25 |         | 4.5                        | 0...1          |               | o. r.                 | o. r.                 | o. r.            | 058369 ㉞         |
|                                                                                                                                                                  | G 3/4           | 20      | 6.0                        | 0...0.5        |               | o. r.                 | o. r.                 | o. r.            | 056794 ㉞         |
| <b>CF B</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally open<br>   | True union Ø 25 |         | 6.0                        | 0...0.5        |               | 056495 ㉞              | o. r.                 | 050551 ㉞         | 051351 ㉞         |
|                                                                                                                                                                  | G 3/8           | 10      | 2.0                        | 0...2          |               | o. r.                 | o. r.                 | —                | —                |
|                                                                                                                                                                  | G 1/2           |         | 2.0                        | 0...2          |               | o. r.                 | o. r.                 | —                | —                |
|                                                                                                                                                                  | True union Ø 16 |         | 2.0                        | 0...2          |               | 058361 ㉞              | 053221 ㉞              | —                | —                |
|                                                                                                                                                                  | True union Ø 20 |         | 2.0                        | 0...2          |               | o. r.                 | o. r.                 | —                | —                |
|                                                                                                                                                                  | G 1/2           | 15      | 4.5                        | 0...1          |               | o. r.                 | o. r.                 | —                | —                |
|                                                                                                                                                                  | True union Ø 20 |         | 4.5                        | 0...1          |               | 047503 ㉞              | 045439 ㉞              | —                | —                |
|                                                                                                                                                                  | True union Ø 25 |         | 4.5                        | 0...1          |               | o. r.                 | o. r.                 | —                | —                |
|                                                                                                                                                                  | G 3/4           | 20      | 6.0                        | 0...0.5        |               | o. r.                 | o. r.                 | —                | —                |
|                                                                                                                                                                  | True union Ø 25 |         | 6.0                        | 0...0.5        |               | 051969 ㉞              | o. r.                 | —                | —                |

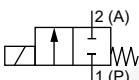
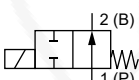
| Circuit function                                                                                                                                               | Port connection | Orifice | K <sub>v</sub> value water | Pressure range | Body material | Article no. |             |          |          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------------|----------------|---------------|-------------|-------------|----------|----------|
|                                                                                                                                                                |                 |         |                            |                |               | 024 / AC/DC | 230 / AC/DC | 024/50   | 230/50   |
|                                                                                                                                                                | [inch resp. mm] | [mm]    | [m³/h]                     | [bar]          |               | [V/Hz]      | [V/Hz]      | [V/Hz]   | [V/Hz]   |
| <b>CF A</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally closed<br> | G 3/8           | 10      | 2.0                        | 0...3          | Brass         | 054053 ☞    | o. r.       | 048664 ☞ | 044502 ☞ |
|                                                                                                                                                                | G 1/2           | 15      | 4.5                        | 0...1          |               | 025537 ☞    | o. r.       | o. r.    | 040549 ☞ |
|                                                                                                                                                                | G 3/4           | 20      | 6.0                        | 0...0.5        |               | 069752 ☞    | o. r.       | o. r.    | 048622 ☞ |
| <b>CF B</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally open<br>   | G 3/8           | 10      | 2.0                        | 0...2          | Brass         | o. r.       | o. r.       | o. r.    | o. r.    |
|                                                                                                                                                                | G 1/2           | 15      | 4.5                        | 0...1          |               | 059360 ☞    | 046643 ☞    | o. r.    | o. r.    |
|                                                                                                                                                                | G 3/4           | 20      | 6.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.    | o. r.    |

o. r. = on request  
 – = not available

### 2/2-way brass version for railway application

#### Note:

Further information on the circuit functions can be found in chapter "2. Circuit functions" on page 5.

| Circuit function                                                                                                                                                 | Port connection | Orifice | K <sub>v</sub> value water | Pressure range | Body material | Article no. |             |             |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|---------|----------------------------|----------------|---------------|-------------|-------------|-------------|-------------|
|                                                                                                                                                                  |                 |         |                            |                |               | 024 / AC/DC | 036 / AC/DC | 110 / AC/DC | 230 / AC/DC |
|                                                                                                                                                                  | [inch resp. mm] | [mm]    | [m³/h]                     | [bar]          |               | [V/Hz]      | [V/Hz]      | [V/Hz]      | [V/Hz]      |
| <b>CF A</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally closed<br> | G 3/8           | 10      | 2.0                        | 0...3          | Brass         | 246791 ☞    | o. r.       | 246792 ☞    | 246793 ☞    |
|                                                                                                                                                                  | G 1/2           | 15      | 4.5                        | 0...1          |               | 246789 ☞    | o. r.       | 242884 ☞    | 246790 ☞    |
|                                                                                                                                                                  | G 3/4           | 20      | 6.0                        | 0...0.5        |               | 239361 ☞    | o. r.       | 239348 ☞    | 246787 ☞    |
| <b>CF B</b><br>2/2-way solenoid valve<br>Direct-acting<br>Normally open<br>   | G 3/8           | 10      | 2.0                        | 0...2          | Brass         | 340223 ☞    | o. r.       | o. r.       | o. r.       |
|                                                                                                                                                                  | G 1/2           | 15      | 4.5                        | 0...1          |               | o. r.       | o. r.       | o. r.       | o. r.       |
|                                                                                                                                                                  | G 3/4           | 20      | 6.0                        | 0...0.5        |               | o. r.       | o. r.       | o. r.       | o. r.       |

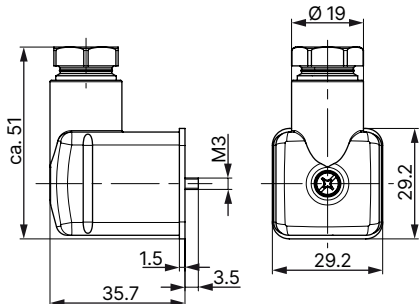
o. r. = on request

## 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  |
|                                                                                   |                                                                                   | With LED (AC/DC)                                                                                       | 12...24 V AC/DC | 314812  |
|                                                                                   |                                                                                   | With LED and varistor (AC/DC)                                                                          | 12...24 V AC/DC | 314820  |
|                                                                                   |                                                                                   | With rectifier, LED and varistor                                                                       | 12...24 V AC/DC | 314816  |
|                                                                                   |                                                                                   | Without circuitry (AC/DC) with silicone seal for higher ambient temperature, e.g. steam version (NA07) | 0...250 V AC/DC | 361687  |
|                                                                                   |                                                                                   |                                                                                                        |                 |                                                                                            |

### Timer Type 1087, form A according to DIN EN 175301 - 803

**Note:**

Refer to data sheet **Type 1087** ▶ for more information about the timer.

| Timer                                                                                                   | Approval | Product code           | Voltage range     | Article no.                                                                                  |
|---------------------------------------------------------------------------------------------------------|----------|------------------------|-------------------|----------------------------------------------------------------------------------------------|
| Analogue version<br> | –        | 1087-A-BCH-UC - 28     | 10...30 V AC/DC   | 348828  |
|                                                                                                         | –        | 1087-A-BDK-UC - 28     | 24...240 V AC/DC  | 348829  |
|                                                                                                         | cURus    | 1087-A-BCH-UC- 28*PU01 | 10...30 V AC/DC   | 348906  |
|                                                                                                         | cURus    | 1087-A-BDK-UC- 28*PU01 | 24...240 V AC/DC  | 348907  |
| Digital version<br>  | –        | 1087-A-BFW-UC - 29     | 10...48 V AC/DC   | 348830  |
|                                                                                                         | –        | 1087-A-BDX-UC - 29     | 110...240 V AC/DC | 348831  |
|                                                                                                         | cURus    | 1087-A-BFW-UC- 29*PU01 | 10...48 V AC/DC   | 348908  |
|                                                                                                         | cURus    | 1087-A-BDX-UC- 29*PU01 | 110...240 V AC/DC | 348909  |

Electrical position feedback Type 1060 with var. Code LF06

**Note:**

- Possible for standard and railway application
- Refer to data sheet **Type 1060** ▶ for more information about the position feedback.
- **The position feedback is mounted on the coil and cannot be ordered separately.**
- Please contact your Bürkert representative if you are interested in a valve Type 0131 with position feedback.
- Contact your Bürkert partner for a valve Type 0131 with position feedback indicator.

| Position feedback                                                                 | Voltages <sup>1.)</sup> with feedback |
|-----------------------------------------------------------------------------------|---------------------------------------|
|  | 24 V/UC                               |
|                                                                                   | 24 V/50 Hz                            |
|                                                                                   | 230 V/UC                              |
|                                                                                   | 230 V/50 Hz                           |

1.) Other voltages are available on request.