



## AirLINE – the valve island optimised for process automation

- Safety-related shut-off of valves possible
- Higher plant availability with PROFINET S2 (system redundancy)
- Process reliability through pneumatic functions
- Optimised for installation at the bottom of the control cabinet
- EX-variants: ATEX / IECEx Zone 2, CCC, cURus HazLoc CL I, II, III Div 2

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

### Can be combined with



**Type ME43**  
Fieldbus gateway



**Type 2012**  
Pneumatically operated  
2/2-way globe valve  
CLASSIC



**Type 8697**  
Pneumatic control unit for  
decentralised automation of  
process valves ELEMENT



**Type 8920**  
Bürkert Communicator



**Type 8653**  
AirLINE Field – the valve  
island – optimised for  
process automation



**Type 8614**  
Pneumatic control cabinet  
solutions for hygienic  
process environments



**Type SV04**  
Spare part sets for  
Type 8652

### Type description

The valve island Type 8652 AirLINE has been especially developed for process automation requirements. New diagnostic functions can be visualised on the LC display, both in clear text as well as symbols. This makes it easy to relate to the shown messages and helps to save time during start-up and maintenance. Furthermore, the diagnostic message is also available at the controller. This, therefore, enables a fast overview of the plant status. The hardware is optimised for installation at the bottom of the control cabinet. Installation on a standard rail is, of course, also possible. Moreover, key pneumatic functions ensure increased process reliability. For instance, check valves in the exhaust air ducts make sure there is no unplanned actuation due to pressure peaks.

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## 1. General technical data

### 1.1. General data

|                                                                |                                                                                                                                                                                    |
|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product properties</b>                                      |                                                                                                                                                                                    |
| Dimensions                                                     | Further information can be found in chapter <a href="#">“4. Dimensions” on page 9.</a>                                                                                             |
| <b>Material</b>                                                |                                                                                                                                                                                    |
| Body                                                           | PA (polyamide)                                                                                                                                                                     |
| Seal                                                           | NBR and PUR                                                                                                                                                                        |
| Maximum installation width of a valve island                   | Further information can be found in chapter <a href="#">“4. Dimensions” on page 9.</a>                                                                                             |
| Width per station                                              | 11 mm                                                                                                                                                                              |
| Manual override                                                | Latching, spring return (optional: lockable)                                                                                                                                       |
| Number of valve slots                                          | Max. 24                                                                                                                                                                            |
| Maximum number of valve functions                              | Max. 48                                                                                                                                                                            |
| Switching function/Circuit function <sup>1)</sup>              | Further information can be found in chapter <a href="#">“2. Circuit functions” on page 6.</a>                                                                                      |
| Pneumatic intermediate supply                                  | Optional for the variants with 16, 20 and 24 valve slots                                                                                                                           |
| <b>Performance data</b>                                        |                                                                                                                                                                                    |
| Pressure data                                                  | Overpressure to atmospheric pressure                                                                                                                                               |
| Pressure range                                                 | Vac...10 bar                                                                                                                                                                       |
| External supply air (auxiliary pilot air)                      | 3...10 bar                                                                                                                                                                         |
| Flow rate $Q_{Nn}$ value air                                   | 310 l/min <sup>1)</sup> measured at + 20 °C, 6 bar pressure at valve inlet and 1 bar differential pressure                                                                         |
| Flow rate $Q_{Nn}$ value air with integrated Hot Swap function | Flow reduced by approx. 3 %                                                                                                                                                        |
| Nominal operating mode                                         | Continuous operation (100 % duty cycle)                                                                                                                                            |
| Switching time                                                 | Measured according to ISO 12238                                                                                                                                                    |
| <b>Electrical data</b>                                         |                                                                                                                                                                                    |
| Operating voltage                                              | 24 V DC                                                                                                                                                                            |
| Voltage tolerance                                              | ± 10 %                                                                                                                                                                             |
| Residual ripple (at DC)                                        | 1 Vss                                                                                                                                                                              |
| Nominal power of each valve                                    | 0.7 W (0.175 W after power reduction)                                                                                                                                              |
| Nominal current of each valve                                  | 29 mA (10 mA after power reduction)                                                                                                                                                |
| Digital input                                                  | Max. 48                                                                                                                                                                            |
| Protection class                                               | III according to DIN EN 61140, VDE 0140                                                                                                                                            |
| <b>Total current</b>                                           |                                                                                                                                                                                    |
| With fieldbus connection                                       | Further information can be found in the <a href="#">operating instructions Type 8652 ▶</a>                                                                                         |
| <b>Medium data</b>                                             |                                                                                                                                                                                    |
| Operating medium                                               | Oil-free or lubricated compressed dry air, neutral gases (5 µm filter recommended)                                                                                                 |
| Compressed air quality                                         | ISO 8573 - 1: 2010, Class 7.4.4                                                                                                                                                    |
| <b>Approvals and conformities</b>                              |                                                                                                                                                                                    |
| Degree of protection                                           | IP20, IP65 in closed control cabinets                                                                                                                                              |
| Explosion protection                                           | Further information can be found in chapter <a href="#">“3.4. Explosion protection” on page 7.</a>                                                                                 |
| North America (USA/Canada)                                     | Further information can be found in chapter <a href="#">“3.5. North America (USA/Canada)” on page 7.</a>                                                                           |
| Type Rating (NEMA 250)                                         | Type 4X in closed enclosures (Type 8652 with stainless steel variant)                                                                                                              |
| <b>Product connections</b>                                     |                                                                                                                                                                                    |
| Working port                                                   | D 6, D 1/4                                                                                                                                                                         |
| Air supply connection                                          | D 10, D 3/8                                                                                                                                                                        |
| Communication module                                           | ME43                                                                                                                                                                               |
| Communication interface                                        | PROFIBUS DP<br>Industrial Ethernet (PROFINET IO, EtherNet/IP, Modbus TCP, EtherCAT, CC-Link IE Field Basic)<br>PROFINET S2<br>CANopen<br>bÜS (for networking with Bürkert devices) |
| <b>Environment and installation</b>                            |                                                                                                                                                                                    |
| Installation position                                          | Any                                                                                                                                                                                |
| Storage temperature                                            | - 20 °C... + 60 °C                                                                                                                                                                 |
| Ambient temperature                                            | - 10 °C... + 55 °C                                                                                                                                                                 |

**Accessories**Bürkert software <sup>2)</sup>

Bürkert Communicator software

Further information can be found in chapter **"8.1. Bürkert Communicator software"** on page **18**.

1.) The maximum flow rate depends on the valve function.

2.) For commissioning, the **Bürkert Communicator software Type 8920** ▶ as well as the associated USB bÜS interface set 1 with **Article no. 772426** ☒ are required.

1.2. AirLINE Quick

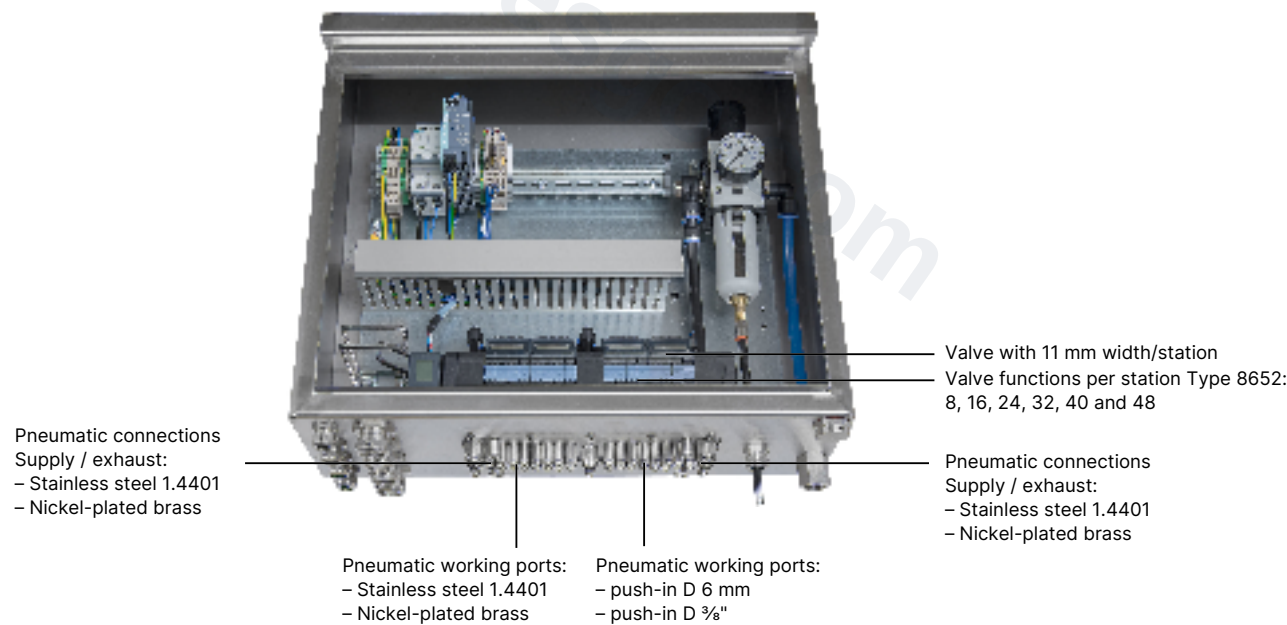
AirLINE Quick considerably reduces the use of components in the control cabinet. With the AirLINE Quick Adapter, the valve terminal is adapted directly to the control cabinet floor or control cabinet wall.

**Advantages:**

- Reduced space requirement in the control cabinet
- This makes it possible to use more compact control cabinets
- Reduced installation effort due to hose connections directly at the bottom of the control cabinet

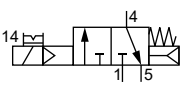
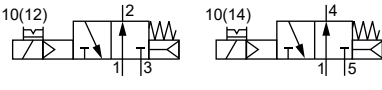
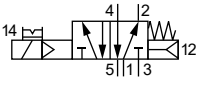
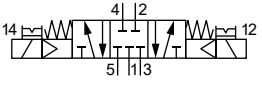
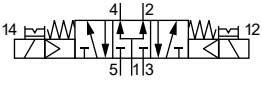
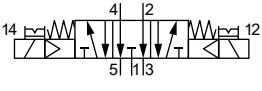
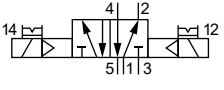
| Product properties                  |                                               |
|-------------------------------------|-----------------------------------------------|
| <b>Material</b>                     |                                               |
| AirLINE Quick Adapter Plate         | Stainless steel 1.4301<br>Anodised aluminium  |
| Pneumatic connection                | Stainless steel 1.4401<br>Nickel-plated brass |
| Valve functions per station         | 8, 16, 24, 32, 40 and 48                      |
| <b>Product connections</b>          |                                               |
| Pneumatic Supply / Exhaust          | Push-in D 10 mm, 3/8"                         |
| Pneumatic working ports             | Push-in D 6 mm, 1/4"                          |
| <b>Environment and installation</b> |                                               |
| Installation position               | Control cabinet wall<br>Control cabinet floor |

**AirLINE Quick Adapter in stainless steel 1.4301 or anodised aluminium**

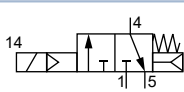
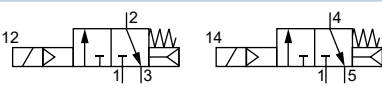
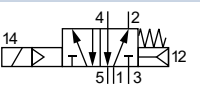
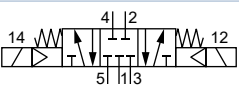


## 2. Circuit functions

### 2.1. Standard functions

| Symbol                                                                              | Description                                                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | <b>Circuit function C (CF C)</b><br>3/2-way solenoid valve<br>Servo-controlled, with manual override<br>Normally closed                                                                                       |
|    | <b>Circuit function C (CF C)</b><br>2 x 3/2-way solenoid valve<br>Servo-controlled, with manual override<br>Normally closed                                                                                   |
|    | <b>Circuit function D (CF D)</b><br>2 x 3/2-way solenoid valve<br>Servo-controlled, with manual override<br>Normally open                                                                                     |
|    | <b>Circuit function H (CF H)</b><br>5/2-way solenoid valve<br>Servo-controlled, with manual override<br>Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure.           |
|    | <b>Circuit function L (CF L)</b><br>5/3-way solenoid valve<br>With manual override<br>In middle position all ports locked                                                                                     |
|   | <b>Circuit function M (CF M)</b><br>5/3-way solenoid valve<br>Servo-controlled, with manual override<br>In middle position ports 2 and 4 ventilated                                                           |
|  | <b>Circuit function N (CF N)</b><br>5/3-way solenoid valve<br>With manual override<br>In middle position ports 2 and 4 exhausted                                                                              |
|  | <b>Circuit function Z (CF Z)</b><br>5/2-way solenoid valve<br>Impulse variant with 2 coils and manual override<br>Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure. |

### 2.2. SIA variant (for safety-related shut-off)

| Symbol                                                                              | Description                                                                                                                                                                   |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Circuit function C (CF C)</b><br>3/2-way solenoid valve<br>Servo-controlled<br>Normally closed                                                                             |
|  | <b>Circuit function C (CF C)</b><br>2 x 3/2-way solenoid valve<br>Servo-controlled<br>Normally closed                                                                         |
|  | <b>Circuit function H (CF H)</b><br>5/2-way solenoid valve<br>Servo-controlled<br>Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure. |
|  | <b>Circuit function L (CF L)</b><br>5/3-way solenoid valve<br>Servo-controlled<br>In middle position all ports locked                                                         |

### 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 variants 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.

Type Rating (NEMA 250): Type 4X in closed enclosures (8652 with stainless steel variant)

#### 3.3. Standards

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

#### 3.4. Explosion protection

| Approval                                                                                                                                                                  | Description                                                                                                                                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <br> | <b>Optional: Explosion protection</b><br>As a category 3 device suitable for zone 2/22.<br><br><b>ATEX:</b><br>BVS 20 ATEX E 031 U<br>II 3G Ex ec IIC Gc<br>II 3D Ex tc IIIC Dc<br><br><b>IECEx:</b><br>IECEx BVS 20.0024 U<br>Ex ec IIC Gc<br>Ex tc IIIC Dc |

#### 3.5. North America (USA/Canada)

| Approval                                                                            | Description                                                                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Optional: UL Listed for the USA and Canada</b><br>The products are UL Listed for the USA and Canada according to: <ul style="list-style-type: none"> <li>• UL 61010-1 (ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE – Part 1: General Requirements)</li> <li>• CAN/CSA-C22.2 No. 61010-1</li> </ul>                                                                                                                          |
|  | <b>Optional: UL Recognized for the USA and Canada for Hazardous Locations – Explosion protection</b><br>The products are UL Recognized for Hazardous Locations for the USA and Canada for use in: <ul style="list-style-type: none"> <li>Class I, Zone 2, AEx ec IIC Gc/ Ex ec IIC Gc U</li> <li>Class II, Zone 22, AEx tc IIIC Dc/ Ex tc IIIC Dc U</li> <li>Class I, Division 2, Group A, B, C, D/ Class II, III, Division 2, Group F, G</li> </ul> |

3.6. Others

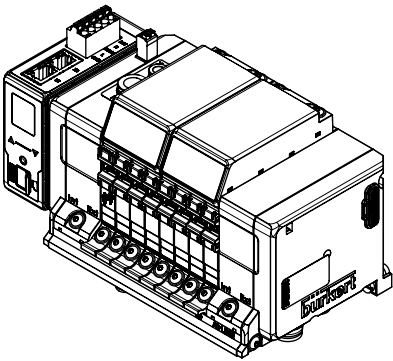
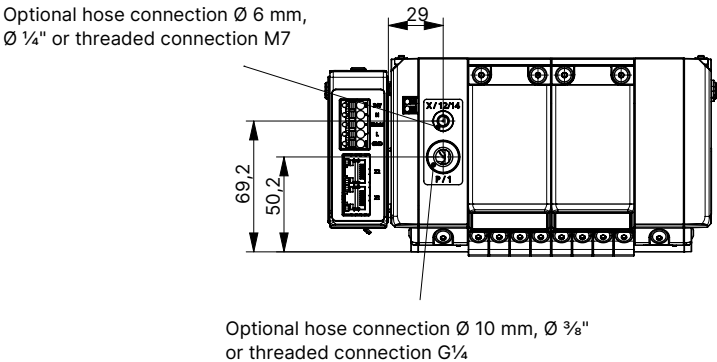
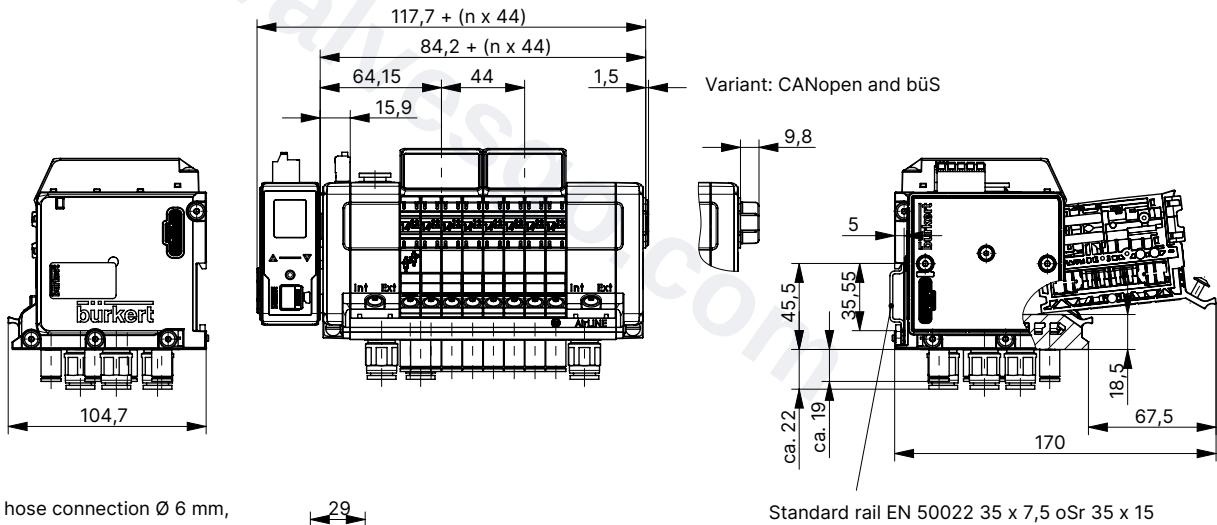
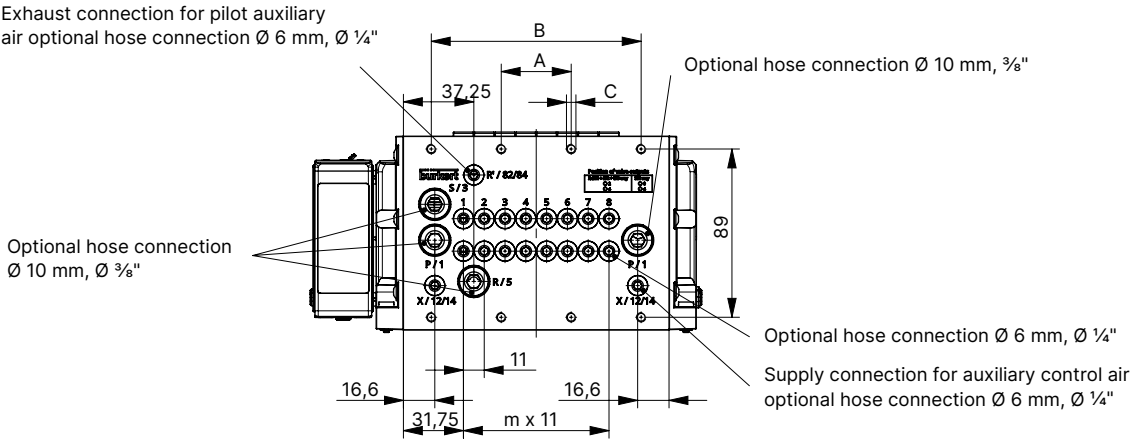
China Compulsory Certification (CCC)

| Conformity                                                                        | Description                                                                                                                                                 |
|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <b>Optional: China Compulsory Certification (CCC)</b><br>The products with Ex approval are suitable for import and use for hazardous applications in China. |

4. Dimensions

4.1. Variant 4-, 8- and 12-fold

**Note:**  
Dimensions in mm, unless otherwise stated

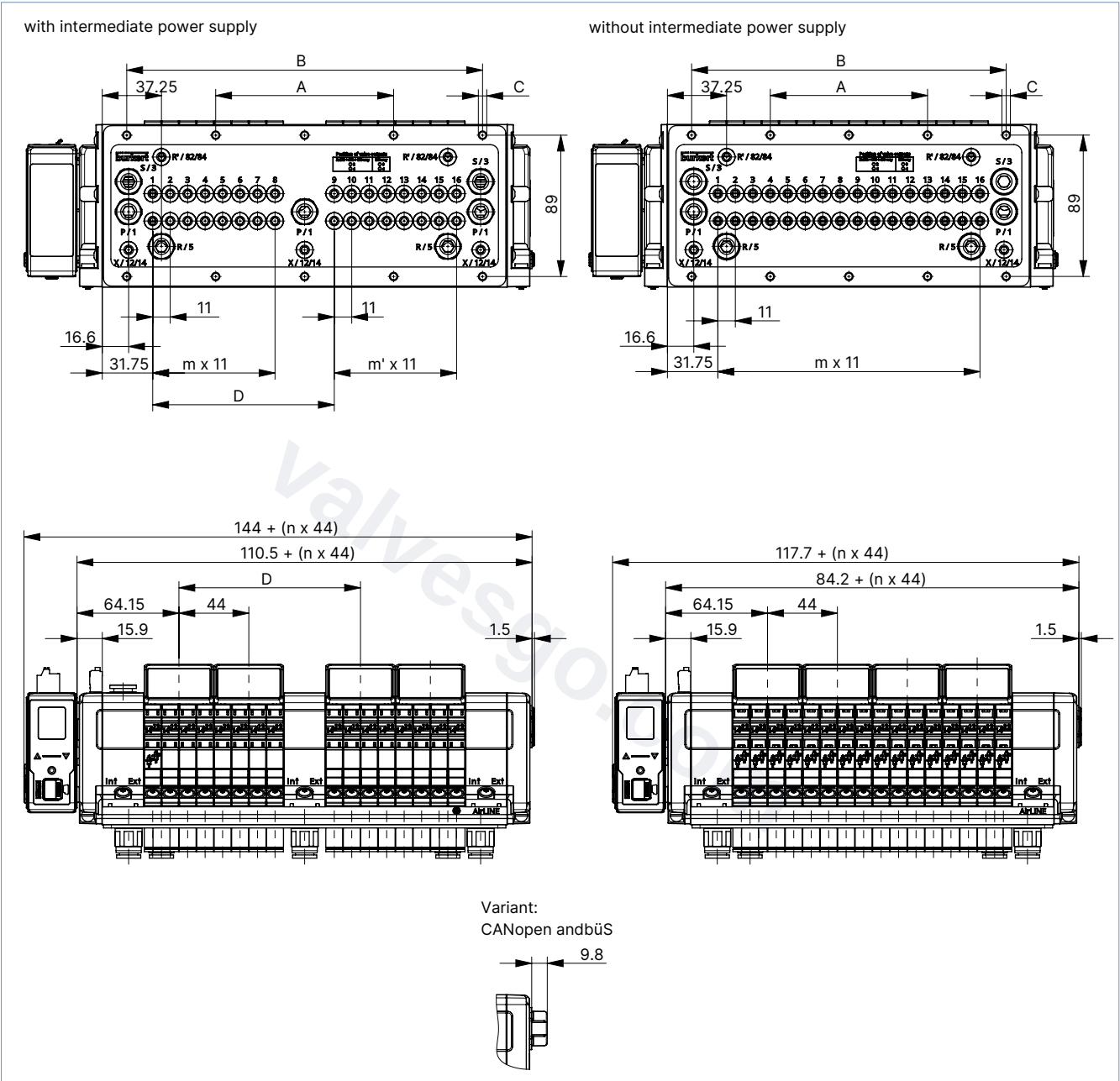


| Variant | A  | B   | C       | m  | n |
|---------|----|-----|---------|----|---|
| 4-fold  | 66 | –   | 4 x M5  | 3  | 1 |
| 8-fold  | 35 | 111 | 8 x M5  | 7  | 2 |
| 12-fold | 77 | 154 | 10 x M5 | 11 | 3 |

4.2. Variant 16-, 20- and 24-fold

**Note:**

Dimensions in mm, unless otherwise stated



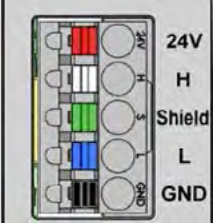
| Variant                             | A   | B   | C       | D     | m  | m' | n |
|-------------------------------------|-----|-----|---------|-------|----|----|---|
| 16-fold with intermediate supply    | 112 | 224 | 10 x M5 | 114.3 | 7  | 7  | 4 |
| 20-fold with intermediate supply    | 134 | 268 | 10 x M5 | 158.3 | 11 | 7  | 5 |
| 24-fold with intermediate supply    | 156 | 312 | 10 x M5 | 158.3 | 11 | 11 | 6 |
| 16-fold without intermediate supply | 99  | 198 | 10 x M5 | –     | 15 | –  | 4 |
| 20-fold without intermediate supply | 121 | 242 | 10 x M5 | –     | 19 | –  | 5 |
| 24-fold without intermediate supply | 143 | 286 | 10 x M5 | –     | 23 | –  | 6 |

5. Product connections

5.1. Power supply for communication and displays

Note:

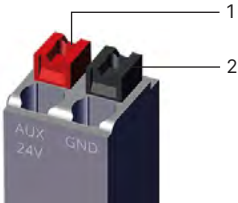
- Connect 5-pin spring-loaded terminal according to the pin assignment.
- Possible cable cross-section:  $\leq 1.5 \text{ mm}^2$
- See "9.7. Ordering chart plug" on page 23

| Spring-loaded terminal 5-pin                                                      | Colour | Assignment             |
|-----------------------------------------------------------------------------------|--------|------------------------|
|  | Red    | 24 V DC                |
|                                                                                   | White  | CAN_H (bùS connection) |
|                                                                                   | Green  | SHIELDING              |
|                                                                                   | Blue   | CAN_L (bùS connection) |
|                                                                                   | Black  | GND                    |

5.2. Power supply for pneumatic valves

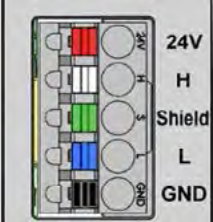
Note:

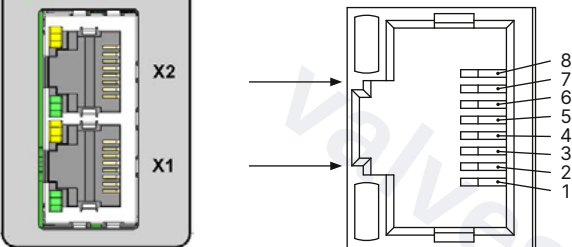
- The interface plate has a 2-pin spring-loaded terminal to which the pneumatic valves' power supply is connected.
- See "9.7. Ordering chart plug" on page 23

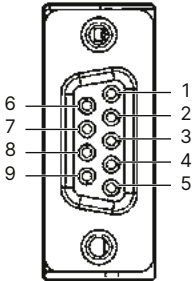
| Spring-loaded terminal 2-pin                                                        | Clip | Colour | Assignment |
|-------------------------------------------------------------------------------------|------|--------|------------|
|  | 1    | Red    | AUX 24 V   |
|                                                                                     | 2    | Black  | GND        |

5.3.   Fieldbus interface

**Note:**  
CANopen requires 2 terminating resistors: one at the beginning of the network and one at the end. An indicator of the correct bus scheduling is the resistance between CAN\_H and CAN\_L when the power is switched off. This should be approx. 60 Ω.

| CANopen/büS – Spring terminal 5-pin                                               | Colour | Assignment             |
|-----------------------------------------------------------------------------------|--------|------------------------|
|  | Red    | 24 V DC                |
|                                                                                   | White  | CAN_H (büS connection) |
|                                                                                   | Green  | SHIELDING              |
|                                                                                   | Blue   | CAN_L (büS connection) |
|                                                                                   | Black  | GND                    |

| Industrial Ethernet (PROFINET IO, EtherNet/IP, Modbus TCP, EtherCAT, CC-Link IE Field Basic) or PROFINET S2 – Interface X1 and X2 RJ45 | Pin | Assignment |
|----------------------------------------------------------------------------------------------------------------------------------------|-----|------------|
|                                                      | 1   | TX+        |
|                                                                                                                                        | 2   | TX-        |
|                                                                                                                                        | 3   | RX+        |
|                                                                                                                                        | 4   | N.C.       |
|                                                                                                                                        | 5   | N.C.       |
|                                                                                                                                        | 6   | RX-        |
|                                                                                                                                        | 7   | N.C.       |
|                                                                                                                                        | 8   | N.C.       |

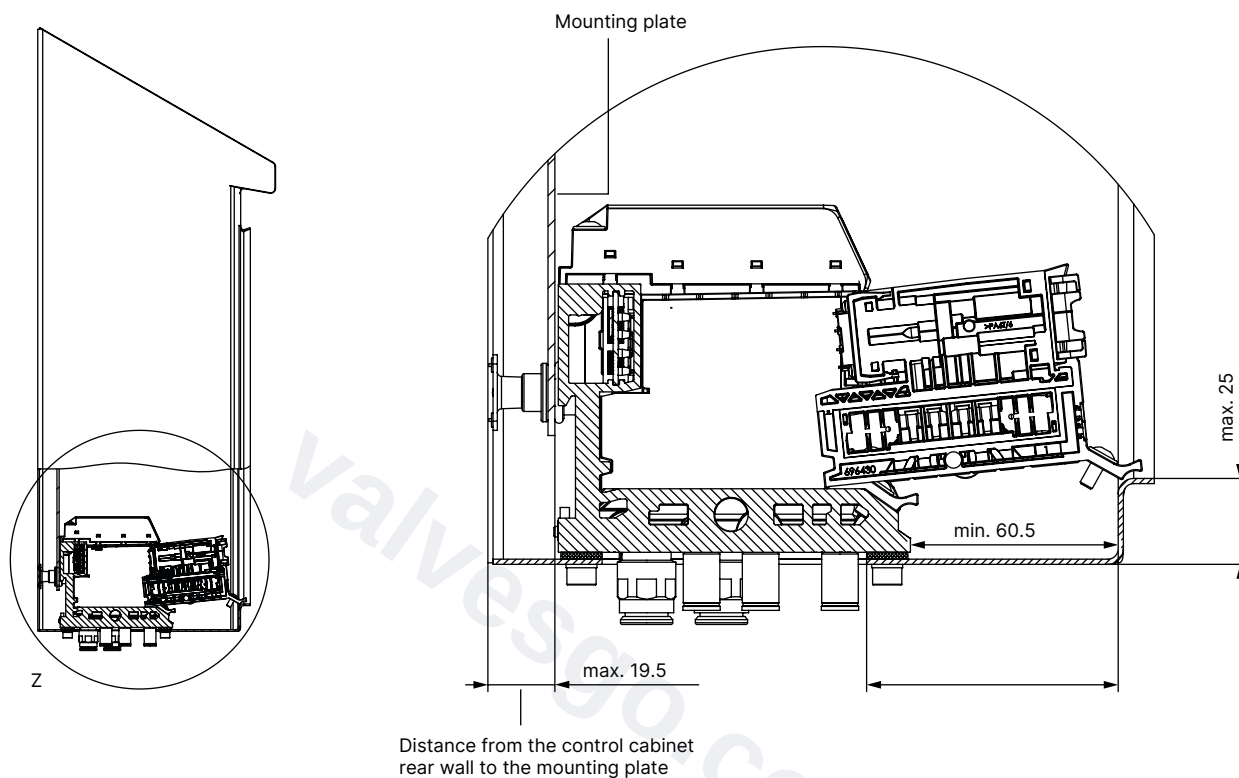
| PROFIBUS DPV1 D-Sub socket 9-pin                                                    | Pin | Assignment                              |
|-------------------------------------------------------------------------------------|-----|-----------------------------------------|
|  | 1   | SHIELDING                               |
|                                                                                     | 2   | M24 (optional)                          |
|                                                                                     | 3   | RxD/TxD-P (B-line)                      |
|                                                                                     | 4   | CNTR-P (optional)                       |
|                                                                                     | 5   | DGND                                    |
|                                                                                     | 6   | + 5 V (supply for terminating resistor) |
|                                                                                     | 7   | + 24 V (optional)                       |
|                                                                                     | 8   | RxD/TxD-N (A-line)                      |
|                                                                                     | 9   | CNTR-N (optional)                       |

## 6. Product installation

### 6.1. Installation notes

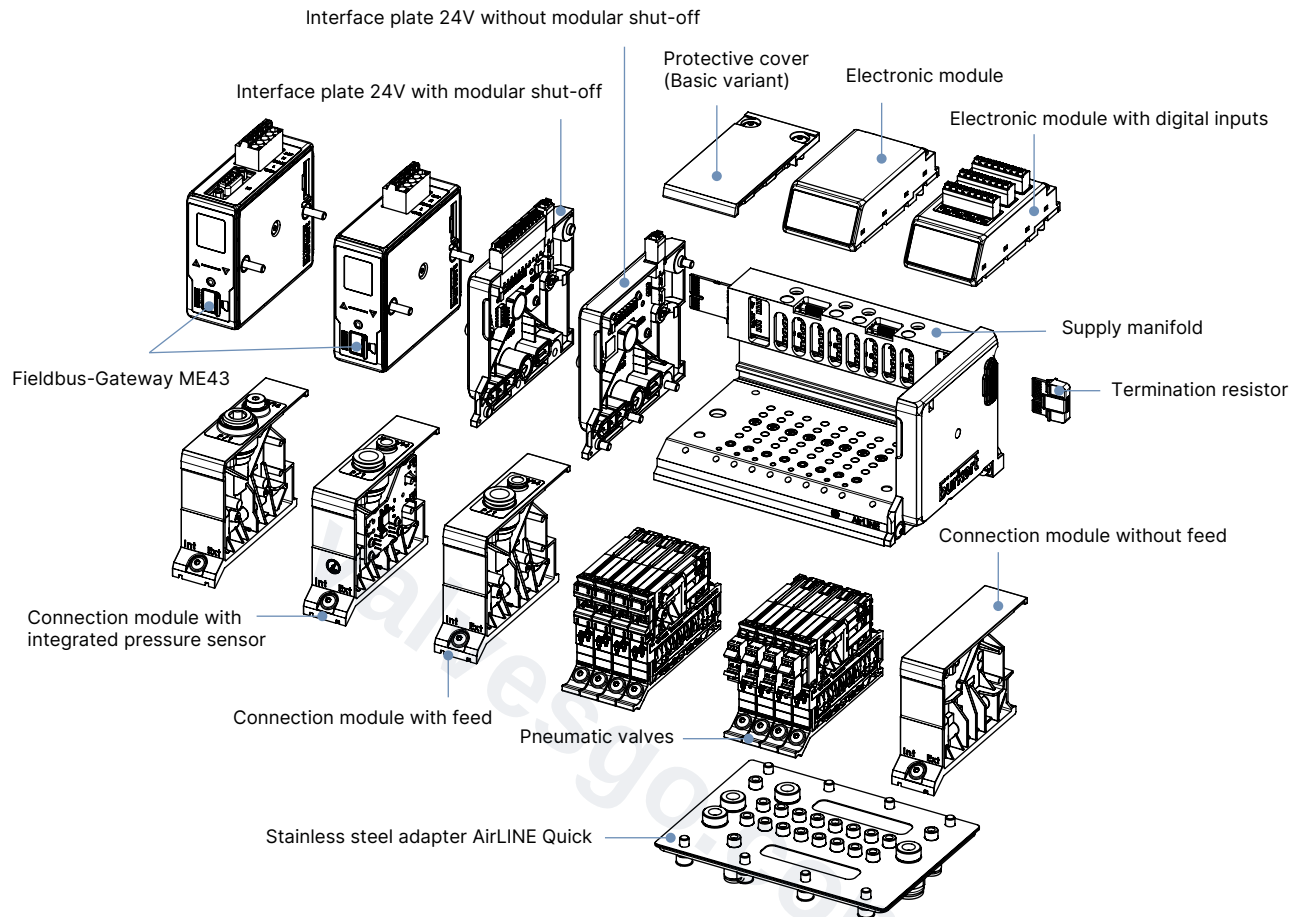
#### Installation situation of the valve terminal inside the control cabinet

To use the Hot Swap function, always observe a minimum distance to the front edge of the control cabinet when installing the valve island inside the control cabinet. Please also refer to the detailed description in the **operating instructions Type 8652** ►.



## 7. Product design and assembly

### 7.1. Product assembly

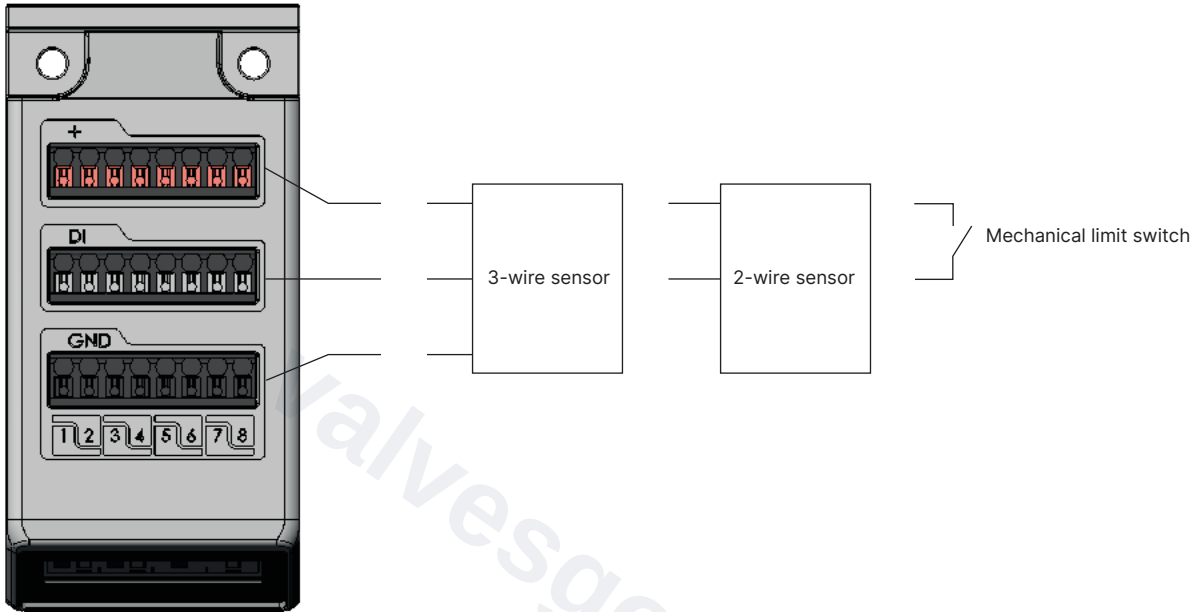


7.2. Electronic module with digital inputs (optional)

The digital inputs are supplied (24 V) by the electronic module. Current is limited to maximum 30 mA per digital input. Standard 3-wire sensors and 2-wire sensors with voltages between 10...30 V as well as mechanical limit switches can be used.

**Note:**

- Connect the digital input indicator according to the pin assignment on the electronic module.
- Possible cable cross-section: ≤ 1.5 mm²
- Maximum cable length: < 30 m



The following data may be displayed depending on the sensor used:

| Possible data       | 3-wire sensors | 2-wire sensors | Mechanical limit switches |
|---------------------|----------------|----------------|---------------------------|
| Sensor actuated     | X              | X              | X                         |
| Sensor not actuated | X              | X              | X                         |
| Short circuit       | X              | –              | –                         |
| Wire break          | –              | X              | –                         |

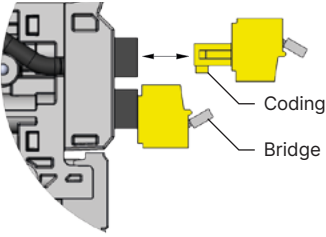
8DI-Module (Digital input module)

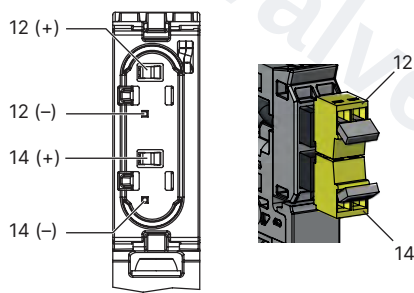
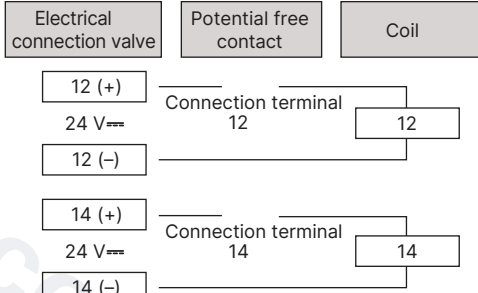
| Product properties                       |                                                                                         |
|------------------------------------------|-----------------------------------------------------------------------------------------|
| Diagnosis                                | Open-circuit detection with 2-wire sensors, short-circuit detection with 3-wire sensors |
| Electrical data                          |                                                                                         |
| Electrical variant                       | 2-wire sensor, 3-wire sensor, mechanical limit switches                                 |
| Switching threshold                      | $V_{OFF} = 0...5\text{ V}$<br>$V_{ON} = 10...30\text{ V}$                               |
| Input current of $V_{ON}$ , typ. 24 V DC | Max. 5.7 mA per channel                                                                 |
| Input impedance                          | > 4 kΩ                                                                                  |
| Galvanic isolation                       | No, all channels have a common reference potential                                      |

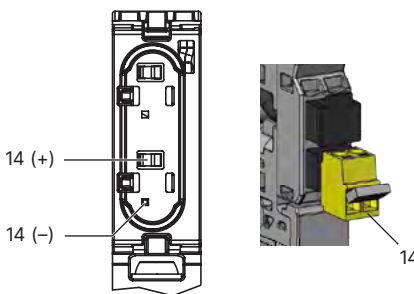
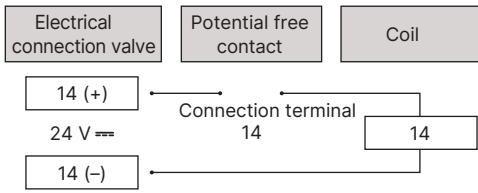
7.3. Valves Type 6534 for safety-related shut-off, SIA variant (optional)

Note:

- **Type 6534** ▶ valves are equipped with additional connection terminals. A valve circuit can therefore be interrupted by an external switch. Manual override is not required for these valve variants. Technical data of Type 6534 valves, SIA variant correspond to standard device data. To use the shut-off function, connect the terminal to a potential-free contact (mechanical switch or relay).
- The valves **Type 6534** ▶ can only be ordered as spare parts. For more information on the cable plug, see data sheet **Type SV04** ▶.

| Feature                                                                           | Description                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>The yellow connection terminals are pluggable and can be removed to facilitate connection of a cable. Except for CF H, there are always 2 connection terminals. To avoid mixing up the connections, the connection terminals are coded.</p> <p>On delivery, the connection terminals are provided with a bridge to ensure the valve can be put into operation immediately. Remove the bridge before connecting a cable.</p> |
| Connection terminals                                                              | Pluggable screw-type terminal, 2-pin, coded wire cross-section (rigid or flexible) 0.14 mm²...1.5 mm² (AWG 28...16)                                                                                                                                                                                                                                                                                                            |
| Required switching capacity of the contact                                        | 0.5 A / 24 V DC                                                                                                                                                                                                                                                                                                                                                                                                                |

| Connection designation                                                             | Circuit diagram                                                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|  |  |

| Connection designation                                                              | Circuit diagram                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |

7.4. Module-based safety shutdown (optional)

Connection designation

To use the switch-off function, connect the connection to a potential-free contact (mechanical switch or relay).

| Electrical data                            |                                                                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Connection                                 | Pluggable spring-loaded terminal, 12-pin<br>Conductor cross-section (rigid or flexible) 0.14 mm²...1.5 mm² (AWG 26...16) |
| Required switching capacity of the contact | 1.5 A / 24 V DC                                                                                                          |

7.5. Example configuration

The following illustration shows a network with the example of AirLINE Type 8652 with Industrial Ethernet variant (PROFINET IO, EtherNet/IP, Modbus TCP, EtherCAT, CC-Link IE Field Basic) as master valve terminal and various AirLINE Type 8652 with bÜS variant as slave valve terminals.



DTS 1000336890 EN Version: AA Status: RL (released | freigegeben | valide) printed: 29.06.2026

## 8. Product accessories

### 8.1. Bürkert Communicator software

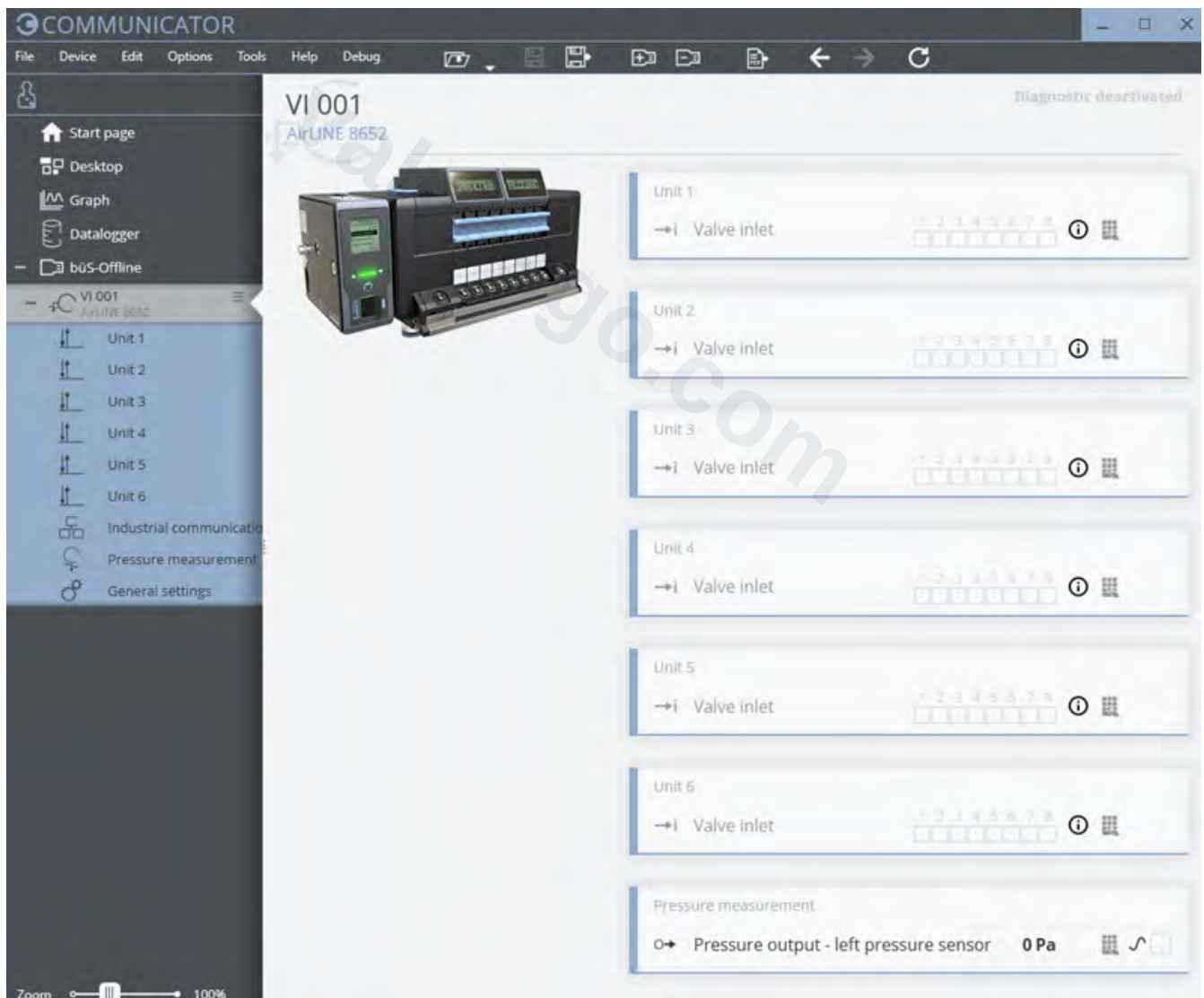
**Note:**

The corresponding communication software can be downloaded from the website **Type 8920** ►.

The Bürkert Communicator is the most important software component of the EDIP (Efficient Device Integration Platform). Various features of this universal tool simplify the configuration and parametrisation of devices equipped with a digital CANopen-based interface. With this tool, the user has a complete overview of cyclic process values as well as acyclic diagnostic data. The integrated graphical programming environment enables the creation of decentralised sub-system control functions. The connection to the PC is established with a USB-CAN adapter. The adapter is available as an accessory (see **"9.8. Ordering chart accessories" on page 24**).

The Bürkert Communicator enables:

- Configuration, parametrisation and diagnosis of EDIP devices / networks
- Easy and comfortable mapping of cyclic values
- Graphical display of process values
- Firmware update for the connected EDIP devices
- Backup and restoring of device configurations



## 9. Ordering information

### 9.1. Bürkert eShop



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

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

[Order online now](#)

### 9.2. Bürkert configurator



#### Bürkert configurator – Configuring products easily

You want to put together a product that is precisely tailored to your needs in just a few guided steps? Configure selected Bürkert products with our online configurator.

[Configure product](#)

### 9.3. Bürkert product filter



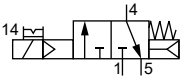
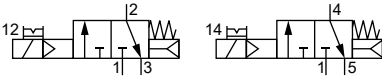
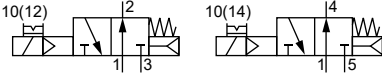
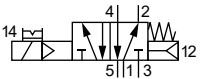
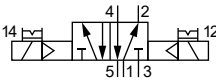
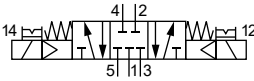
#### Bürkert product filter – Get quickly to the right product

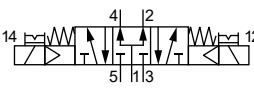
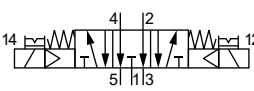
You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

[Try out our product filter](#)

#### 9.4. Ordering chart replacement valves

##### Solenoid valve Type 6534

| Circuit function                                                                                                                                                                                                                                                                                               | Nominal diameter | Q <sub>Nn</sub> value <sup>1)</sup><br>Air | Pressure range                    | Switching times |         | Voltage/<br>Frequency | Article no. <sup>2)</sup> incl.<br>screw                                                                                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------------|-----------------------------------|-----------------|---------|-----------------------|----------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                                                                |                  |                                            |                                   | Opening         | Closing |                       |                                                                                                                            |
|                                                                                                                                                                                                                                                                                                                | [mm]             | [l/min]                                    | [bar]                             | [ms]            | [ms]    | [V/Hz]                |                                                                                                                            |
| <b>C (CF C)</b><br>3/2-way solenoid valve<br>Servo-controlled, with manual override<br>Normally closed<br>                                                                                                                    | 4                | 270 l/min                                  | Vac....10 <sup>3)</sup><br>3...10 | 15              | 15      | 24 V DC               | 20102334 <br>REF_20088974 <sup>4)</sup> |
| <b>C (CF C)</b><br>2 × 3/2-way solenoid valve<br>Servo-controlled, with manual override<br>Normally closed<br>                                                                                                                | 4                | 270 l/min                                  | Vac....10 <sup>3)</sup><br>3...10 | 15              | 15      | 24 V DC               | 301374 <br>REF_296031 <sup>4)</sup>     |
| <b>D (CF D)</b><br>2 × 3/2-way solenoid valve<br>Servo-controlled, with manual override<br>Normally open<br>                                                                                                                | 4                | 310 l/min                                  | Vac....10 <sup>3)</sup><br>3...10 | 15              | 15      | 24 V DC               | 301375 <br>REF_296032 <sup>4)</sup>     |
| <b>H (CF H)</b><br>5/2-way solenoid valve<br>Servo-controlled, with manual override<br>Pressure applied via port (1), therefore<br>one of the two ports (2) or (4) is under<br>pressure.<br>                                | 4                | 290 l/min                                  | Vac....10 <sup>3)</sup><br>3...10 | 20              | 25      | 24 V DC               | 301376 <br>REF_296033 <sup>4)</sup>   |
| <b>Z (CF Z)</b><br>5/2-way solenoid valve<br>Servo-controlled, impulse variant with<br>2 coils and manual override<br>Pressure applied via port (1), therefore<br>one of the two ports (2) or (4) is under<br>pressure.<br> | 4                | 290 l/min                                  | Vac....10 <sup>3)</sup><br>3...10 | 20              | 25      | 24 V DC               | 301377 <br>REF_296034 <sup>4)</sup>   |
| <b>L (CF L)</b><br>5/3-way solenoid valve<br>Servo-controlled, with manual override<br>In middle position all ports locked<br>                                                                                              | 4                | 275 l/min                                  | Vac....10 <sup>3)</sup><br>3...10 | 15              | 15      | 24 V DC               | 301380 <br>REF_296036 <sup>4)</sup>   |

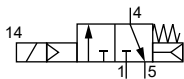
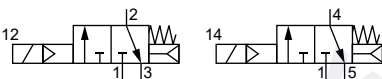
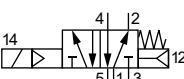
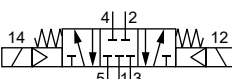
| Circuit function                                                                                                                                                                                                        | Nominal diameter | Q <sub>Nn</sub> value <sup>1.)</sup><br>Air | Pressure range                     | Switching times |         | Voltage/<br>Frequency | Article no. <sup>2.)</sup> incl.<br>screw                                                                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------|------------------------------------|-----------------|---------|-----------------------|-------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                         |                  |                                             |                                    | Opening         | Closing |                       |                                                                                                                         |
|                                                                                                                                                                                                                         | [mm]             | [l/min]                                     | [bar]                              | [ms]            | [ms]    | [V/Hz]                |                                                                                                                         |
| <b>M (CF M)</b><br>5/3-way solenoid valve<br>Servo-controlled, with manual override<br>In middle position ports 2 and 4 ventilated<br> | 4                | 300                                         | Vac....10 <sup>3.)</sup><br>3...10 | 20              | 20      | 24 V DC               | 301379 <br>REF_296035 <sup>4.)</sup> |
| <b>N (CF N)</b><br>5/3-way solenoid valve<br>Servo-controlled, with manual override<br>In middle position ports 2 and 4 exhausted<br>  | 4                | 300                                         | Vac....10 <sup>3.)</sup><br>3...10 | 20              | 20      | 24 V DC               | 301381 <br>REF_296039 <sup>4.)</sup> |
| Dummy valve                                                                                                                                                                                                             | –                | –                                           | –                                  | –               | –       | –                     | 335779 <br>REF_327614 <sup>4.)</sup> |

1.) Approx. 3 % flow reduction for Hot Swap function  
2.) The valves are components or spare parts of the Type 8652 Valve Terminal and can only be used on the Type 8652 Valve Terminal.  
3.) Separate auxiliary pilot air min. 3 bar. Please observe the pilot pressure table in the **operating instructions Type 8652** .  
4.) The article number of the spare part set (with shopping cart logo) refers to the valve with the REF\_Article no.

## Solenoid valve Type 6534 SIA variant (2nd port for shutdown)

## Note:

Further information about this product variant can be found in chapter "7.3. Valves Type 6534 for safety-related shut-off, SIA variant (optional)" on page 16.

| Circuit function                                                                                                                                                                                                                                          | Nominal diameter | Q <sub>Nn</sub> value <sup>1.)</sup><br>Air | Pressure range                     | Switching times |                 | Voltage/<br>Frequency | Article no. <sup>2.)</sup> incl.<br>screw                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|---------------------------------------------|------------------------------------|-----------------|-----------------|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                           | [mm]             | [l/min]                                     | [bar]                              | Opening<br>[ms] | Closing<br>[ms] | [V/Hz]                |                                                                                                                             |
| <b>C (CF C)</b><br>3/2-way solenoid valve<br>Servo-controlled<br>Normally closed<br>                                                                                     | 4                | 270 l/min                                   | Vac....10 <sup>3.)</sup><br>3...10 | 15              | 15              | 24 V DC               | 20102335 <br>REF_20092052 <sup>4.)</sup> |
| <b>C (CF C)</b><br>2 × 3/2-way solenoid valve<br>Servo-controlled<br>Normally closed<br>                                                                                 | 4                | 270 l/min                                   | Vac....10 <sup>3.)</sup><br>3...10 | 15              | 15              | 24 V DC               | 338802 <br>REF_336443 <sup>4.)</sup>     |
| <b>H (CF H)</b><br>5/2-way solenoid valve<br>Servo-controlled<br>Pressure applied via port (1), therefore<br>one of the two ports (2) or (4) is under<br>pressure.<br> | 4                | 290 l/min                                   | Vac....10 <sup>3.)</sup><br>3...10 | 20              | 25              | 24 V DC               | 338805 <br>REF_336444 <sup>4.)</sup>     |
| <b>L (CF L)</b><br>5/3-way solenoid valve<br>Servo-controlled<br>In middle position all ports locked<br>                                                               | 4                | 275 l/min                                   | Vac....10 <sup>3.)</sup><br>3...10 | 15              | 15              | 24 V DC               | 346830 <br>REF_336523 <sup>4.)</sup>   |

1.) Approx. 3% flow reduction for Hot Swap function

2.) The valves are components or spare parts of the Type 8652 Valve Terminal and can only be used on the Type 8652 Valve Terminal.

3.) Separate auxiliary pilot air min. 3 bar. Please observe the pilot pressure table in the **operating instructions Type 8652** ►.

4.) The article number of the spare part set (with shopping cart logo) refers to the valve with the REF\_Article no.

### 9.5. Ordering chart electronic module

| Beschreibung                             | Article no.                                                                                |
|------------------------------------------|--------------------------------------------------------------------------------------------|
| Electronic module with digital inputs    | 384872  |
| Electronic module without digital inputs | 384873  |

### 9.6. Ordering chart connection module

| Beschreibung                                                                                                                                                 | Article no.                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Connection module without pressure sensor with additional connection for compressed air supply (Connection size: plug-in coupling Ø 6 mm and Ø 10 mm)        | 384863    |
| Connection module without pressure sensor with additional connection for compressed air supply (Connection size: plug-in coupling Ø 1/4 inch and Ø 3/8 inch) | 384864    |
| Connection module without pressure sensor without additional connection for compressed air supply                                                            | 384866    |
| Connection module with pressure sensor, connection for compressed air supply: plug-in coupling Ø 6 mm and Ø 10 mm                                            | 384867    |
| Connection module with pressure sensor, connection for compressed air supply: plug-in coupling Ø 1/4 inch and Ø 3/8 inch                                     | 384868    |
| Connection module without pressure sensor with additional connection for compressed air supply (connection size: G 1/4 and M7)                               | 20094669  |
| Connection module with pressure sensor with additional connection for compressed air supply (connection size: G 1/4 and M7)                                  | 20094671  |

### 9.7. Ordering chart plug

| Beschreibung                                                              | Article no.                                                                                  |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Spring-loaded terminal 5-pin, Power supply for communication and displays | 920180  |
| Spring-loaded terminal 2-pin, power supply for pneumatic valves           | 920442  |

## 9.8. Ordering chart accessories

### Fieldbus gateway Type ME43

#### Note:

- Please note that the ME43 gateway modules are not configured ex works. However, these absolutely must be configured in order to be used in a system. The device description files must be generated with the Bürkert Communicator software before the start-up of a system.
- Further information can be found in the **operating instructions Type ME43** ►.

| Description                                                                                     | Article no.                                                                                  |
|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| Fieldbus gateway Type ME43 – Industrial Ethernet (PROFINET, EtherNet/IP, Modbus TCP, EtherCAT®) | 301799    |
| Fieldbus gateway Type ME43 – Profibus DP                                                        | 301803    |
| Fieldbus gateway Type ME43 – CANopen/büS                                                        | 301802    |
| Fieldbus-Gateway Typ ME43 – PROFINET S2                                                         | 20081296  |

### Accessories for Bürkert Communicator software

| Description                                                                                                                                                                                                                                        | Article no.                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| büS cable extension, M12, cable length: 0.1 m                                                                                                                                                                                                      | 772492    |
| büS cable extension, M12, cable length: 0.2 m                                                                                                                                                                                                      | 772402    |
| büS cable extension, M12, cable length: 0.5 m                                                                                                                                                                                                      | 772403    |
| büS cable extension, M12, cable length: 1 m                                                                                                                                                                                                        | 772404    |
| büS cable extension, M12, cable length: 3 m                                                                                                                                                                                                        | 772405    |
| büS socket, M12, straight, A-coded                                                                                                                                                                                                                 | 772416  |
| büS plug, M12, straight, A-coded                                                                                                                                                                                                                   | 772417  |
| büS socket, M12, angled, A-coded                                                                                                                                                                                                                   | 772418  |
| büS plug, M12, angled, A-coded                                                                                                                                                                                                                     | 772419  |
| büS Y plug                                                                                                                                                                                                                                         | 772420  |
| büS Y plug for linking 2 separately supplied segments of a büS network                                                                                                                                                                             | 772421  |
| Terminating resistor büS/CANopen / Quantity 1                                                                                                                                                                                                      | 303833  |
| büS plug, M12, terminating resistor 120 Ω                                                                                                                                                                                                          | 772424  |
| büS socket, M12, terminating resistor 120 Ω                                                                                                                                                                                                        | 772425  |
| Power supply unit Phoenix Class2 (Type 1573), 85...240 V AC/24 V DC, 1.25 A, NEC Class 2 (UL 1310)                                                                                                                                                 | 772438  |
| Power supply unit for standard rail (Type 1573), 100...240 V AC/24 V DC, 1 A, NEC Class 2 (UL 1310)                                                                                                                                                | 772361  |
| Power supply unit for standard rail (Type 1573), 100...240 V AC/24 V DC, 2 A, NEC Class 2 (UL 1310)                                                                                                                                                | 772362  |
| Power supply unit for standard rail (Type 1573), 100...240 V AC/24 V DC, 3.8 A, NEC Class 2 (UL60950 - 1)                                                                                                                                          | 772898  |
| Power supply unit for standard rail (Type 1573), 100...240 V AC/24 V DC, 10 A                                                                                                                                                                      | 772698  |
| microSD card                                                                                                                                                                                                                                       | 774087  |
| USB büS interface set 1 (Type 8923) for connection to the Bürkert Communicator software: includes connection cable (M12 and micro USB), stick with integrated terminating resistor, power supply and software                                      | 772426  |
| USB büS interface set 2 (Type 8923) for connection to the Bürkert Communicator software: including büS stick, connection cable to M12 plug, M12 connection cable on micro USB for the büS service interface and Y distributor, cable length: 0.7 m | 772551  |
| License for graphical programming (only required for a running time > 60 minutes)                                                                                                                                                                  | 567713  |
| Software Bürkert Communicator                                                                                                                                                                                                                      | <b>Type 8920</b> ►                                                                           |

1.) Due to lack of space, the M12 single connectors may not be suitable for their simultaneous use on the same side of the Y connector. Please use the available ready-made assembled cable in this case.

## Accessories for AirLINE Quick

| Description                                                                                  |         |                           | Quantity [pieces] | Article no.                                                                                    |
|----------------------------------------------------------------------------------------------|---------|---------------------------|-------------------|------------------------------------------------------------------------------------------------|
| Screw set M5 × 10 A2 DIN 6912 (for fastening the valve terminal to the control cabinet base) |         |                           | 10                | 308661      |
| Height adapter                                                                               | 4-fold  | without intermediate feed | 1                 | 60031491    |
|                                                                                              | 8-fold  |                           | 1                 | 754960      |
|                                                                                              | 12-fold |                           | 1                 | 754961      |
|                                                                                              | 16-fold | without intermediate feed | 1                 | 60041928    |
|                                                                                              |         | with intermediate feed    | 1                 | 754962      |
|                                                                                              | 20-fold | without intermediate feed | 1                 | 60041930    |
|                                                                                              |         | with intermediate feed    | 1                 | 754963      |
|                                                                                              | 24-fold | without intermediate feed | 1                 | 60041932    |
|                                                                                              |         | with intermediate feed    | 1                 | 754964      |
| Retaining plate<br>(for control cabinet exterior)                                            | 4-fold  | without intermediate feed | 1                 | 60005571    |
|                                                                                              | 8-fold  |                           | 1                 | 60005566    |
|                                                                                              | 12-fold |                           | 1                 | 60005567    |
|                                                                                              | 16-fold | without intermediate feed | 1                 | 60005880    |
|                                                                                              |         | with intermediate feed    | 1                 | 60005568    |
|                                                                                              | 20-fold | without intermediate feed | 1                 | 60005881    |
|                                                                                              |         | with intermediate feed    | 1                 | 60005569    |
|                                                                                              | 24-fold | without intermediate feed | 1                 | 60005882    |
|                                                                                              |         | with intermediate feed    | 1                 | 60005570    |
| Blind plate                                                                                  | 4-fold  | without intermediate feed | 1                 | o. r.                                                                                          |
|                                                                                              | 8-fold  |                           | 1                 | 754965      |
|                                                                                              | 12-fold |                           | 1                 | 754966    |
|                                                                                              | 16-fold | without intermediate feed | 1                 | 60041929  |
|                                                                                              |         | with intermediate feed    | 1                 | 754967    |
|                                                                                              | 20-fold | without intermediate feed | 1                 | 60041931  |
|                                                                                              |         | with intermediate feed    | 1                 | 754968    |
|                                                                                              | 24-fold | without intermediate feed | 1                 | 60041933  |
|                                                                                              |         | with intermediate feed    | 1                 | 754969    |

o. r. = on request