bürkert
FLUID CONTROL SYSTEMS









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

Product properties	
Dimensions	Further information can be found in chapter "4. Dimensions" on page 9.
Material	
Body	PA (polyamide)
Seal	NBR and PUR
Maximum installation width of a valve island	Further information can be found in chapter "4. Dimensions" on page 9.
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 [1)]	Further information can be found in chapter "2. Circuit functions" on page 6.
Pneumatic intermediate supply	Optional for the variants with 16, 20 and 24 valve slots
Performance data	
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 [1)] 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
Electrical data	
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
Total current	
With fieldbus connection	Further information can be found in the **operating instructions Type 8652** ▶
Medium data	
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
Approvals and conformities	
Degree of protection	IP20, IP65 in closed control cabinets
Explosion protection	Further information can be found in chapter "3.4. Explosion protection" on page 7.
North America (USA/Canada)	Further information can be found in chapter "3.5. North America (USA/Canada)" on page 7.
Type Rating (NEMA 250)	Type 4X in closed enclosures (Type 8652 with stainless steel variant)
Product connections	
Working port	D 6, D ¼
Air supply connection	D 10, D ⅜
Communication module	ME43
Communication interface	PROFIBUS DP Industrial Ethernet (PROFINET IO, EtherNet/IP, Modbus TCP, EtherCAT, CC-Link IE Field Basic) PROFINET S2 CANopen büS (for networking with Bürkert devices)
Environment and installation	
Installation position	Any
Storage temperature	- 20 °C...+ 60 °C
Ambient temperature	- 10 °C...+ 55 °C

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Accessories	
Bürkert software [2.)]	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.

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1.2. AirLINE Quick

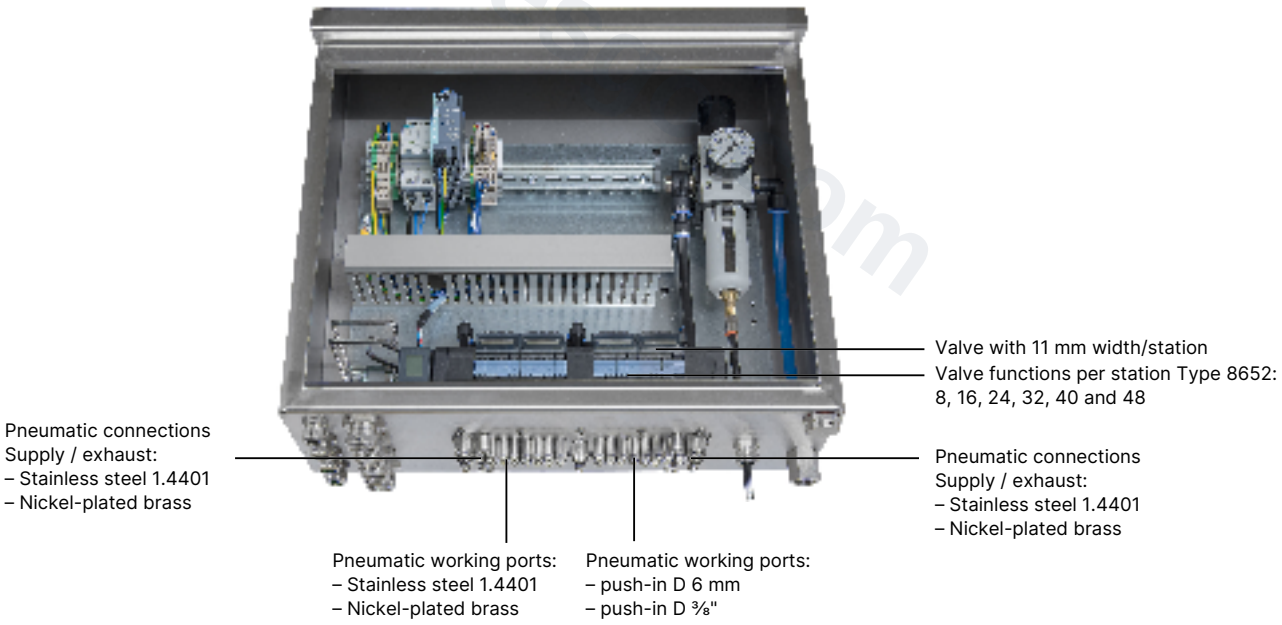
AirLINE Quick considerably reduces the use of components in the control cabinet. With the AirLINE Quick Adapter, the valve terminal is adapted directly to the control cabinet floor or control cabinet wall.

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	
Material	
AirLINE Quick Adapter Plate	Stainless steel 1.4301 Anodised aluminium
Pneumatic connection	Stainless steel 1.4401 Nickel-plated brass
Valve functions per station	8, 16, 24, 32, 40 and 48
Product connections	
Pneumatic Supply / Exhaust	Push-in D 10 mm, ⅜"
Pneumatic working ports	Push-in D 6 mm, ¼"
Environment and installation	
Installation position	Control cabinet wall Control cabinet floor

AirLINE Quick Adapter in stainless steel 1.4301 or anodised aluminium

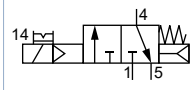
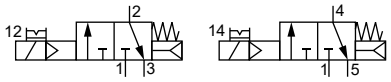
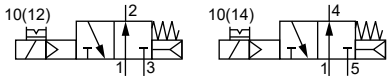
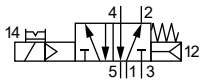
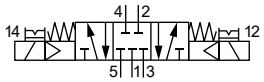
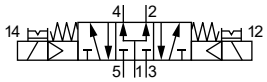
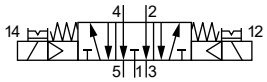
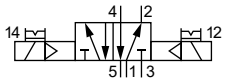


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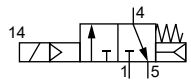
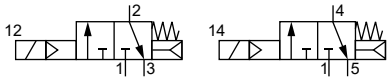
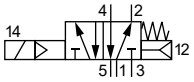
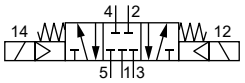
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2. Circuit functions

2.1. Standard functions

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

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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
	Optional: Explosion protection As a category 3 device suitable for zone 2/22. **ATEX:** BVS 20 ATEX E 031 U II 3G Ex ec IIC Gc II 3D Ex tc IIIC Dc **IECEx:** IECEx BVS 20.0024 U Ex ec IIC Gc Ex tc IIIC Dc

3.5. North America (USA/Canada)

Approval	Description
	Optional: UL Listed for the USA and Canada The products are UL Listed for the USA and Canada according to: • UL 61010-1 (ELECTRICAL EQUIPMENT FOR MEASUREMENT, CONTROL, AND LABORATORY USE – Part 1: General Requirements) • CAN/CSA-C22.2 No. 61010-1
	Optional: UL Recognized for the USA and Canada for Hazardous Locations – Explosion protection The products are UL Recognized for Hazardous Locations for the USA and Canada for use in: Class I, Zone 2, AEx ec IIC Gc/ Ex ec IIC Gc U Class II, Zone 22, AEx tc IIIC Dc/ Ex tc IIIC Dc U Class I, Division 2, Group A, B, C, D/ Class II, III, Division 2, Group F, G

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3.6. Others

China Compulsory Certification (CCC)

Conformity	Description
	**Optional: China Compulsory Certification (CCC)** The products with Ex approval are suitable for import and use for hazardous applications in China.

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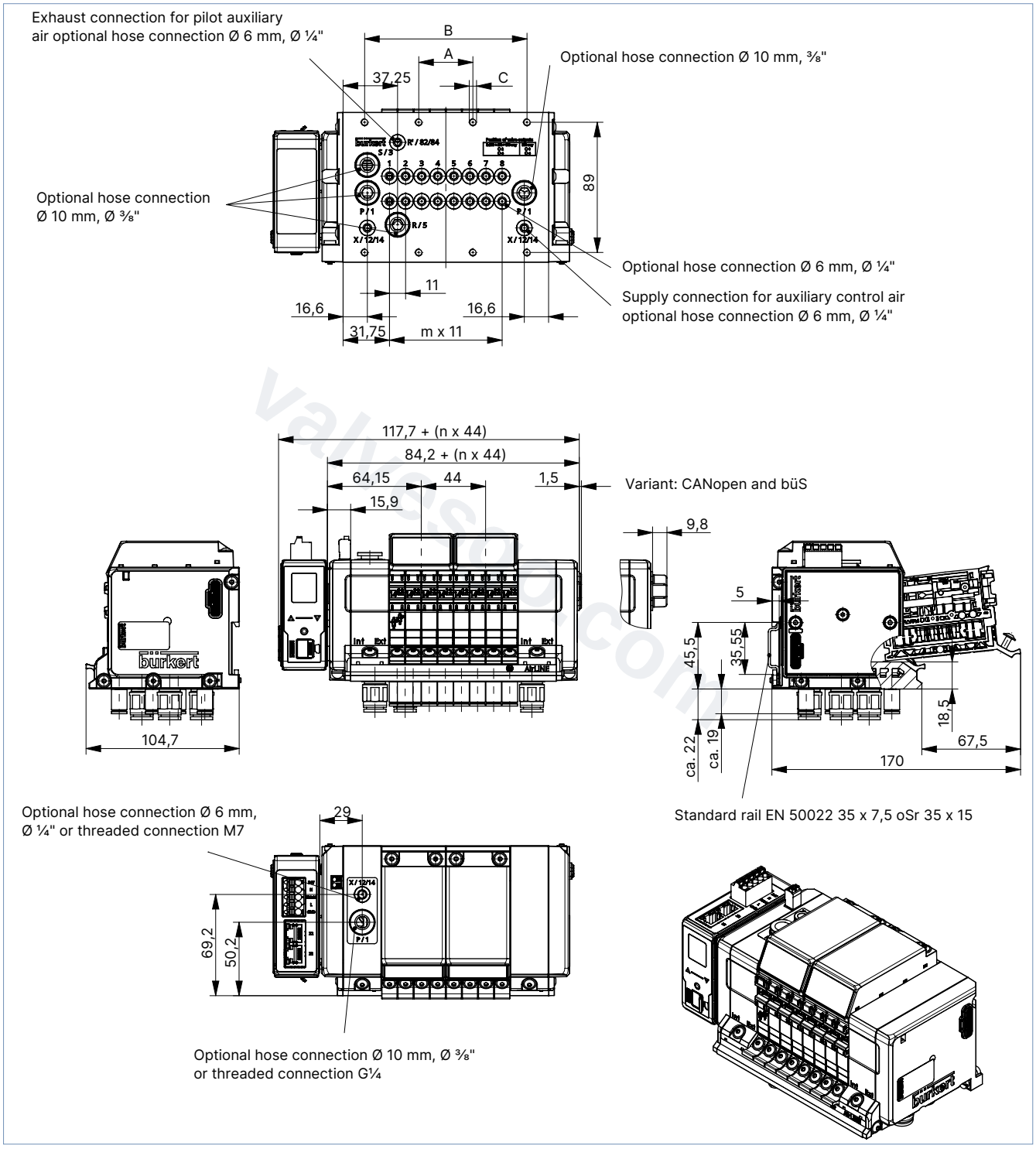
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4. Dimensions

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

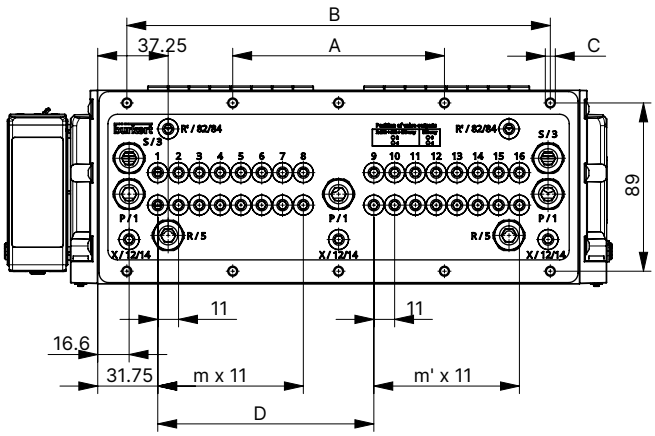
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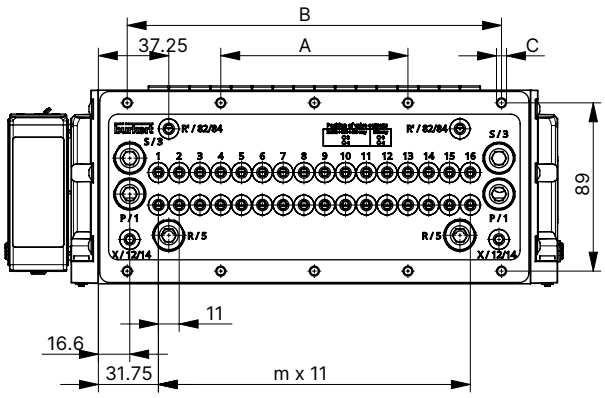
4.2. Variant 16-, 20- and 24-fold

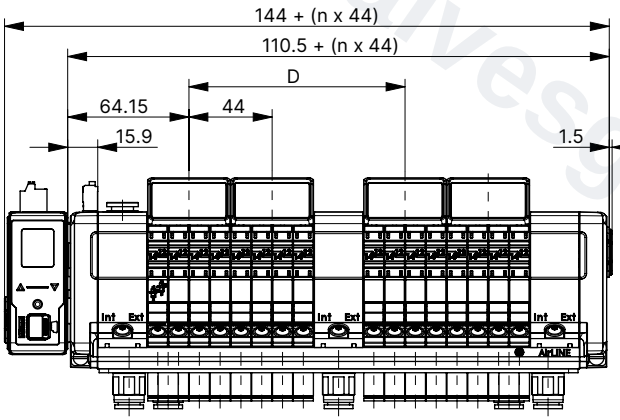
Note:
Dimensions in mm, unless otherwise stated

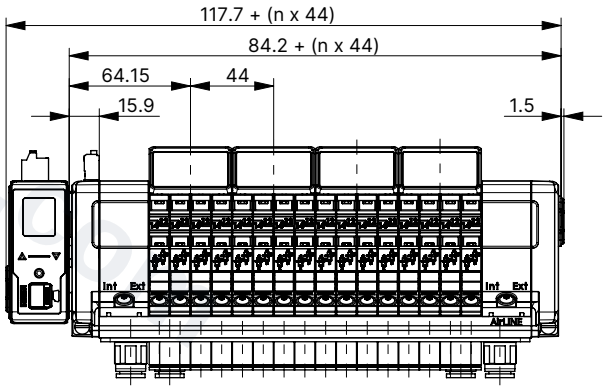
with intermediate power supply



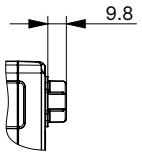
without intermediate power supply







Variant:
CANopen andbüS



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

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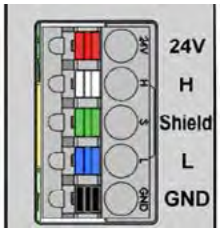
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5. Product connections

5.1. Power supply for communication and displays

Note:

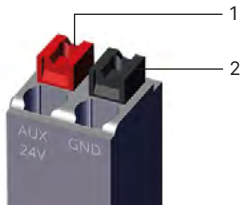
- Connect 5-pin spring-loaded terminal according to the pin assignment.
- Possible cable cross-section: ≤ 1.5 mm²
- See "9.7. Ordering chart plug" on page 23

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

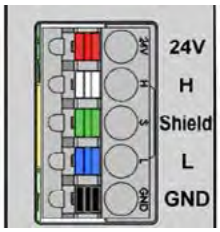
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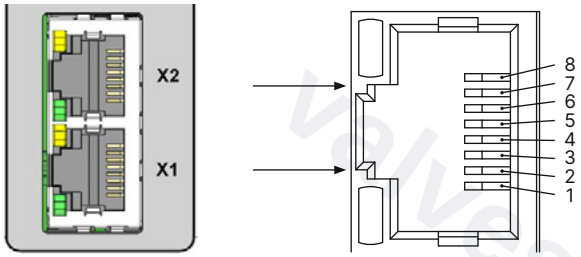
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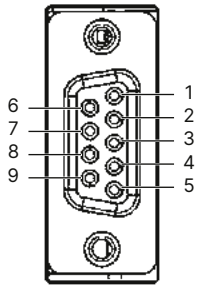
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5.3. Fieldbus interface

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)

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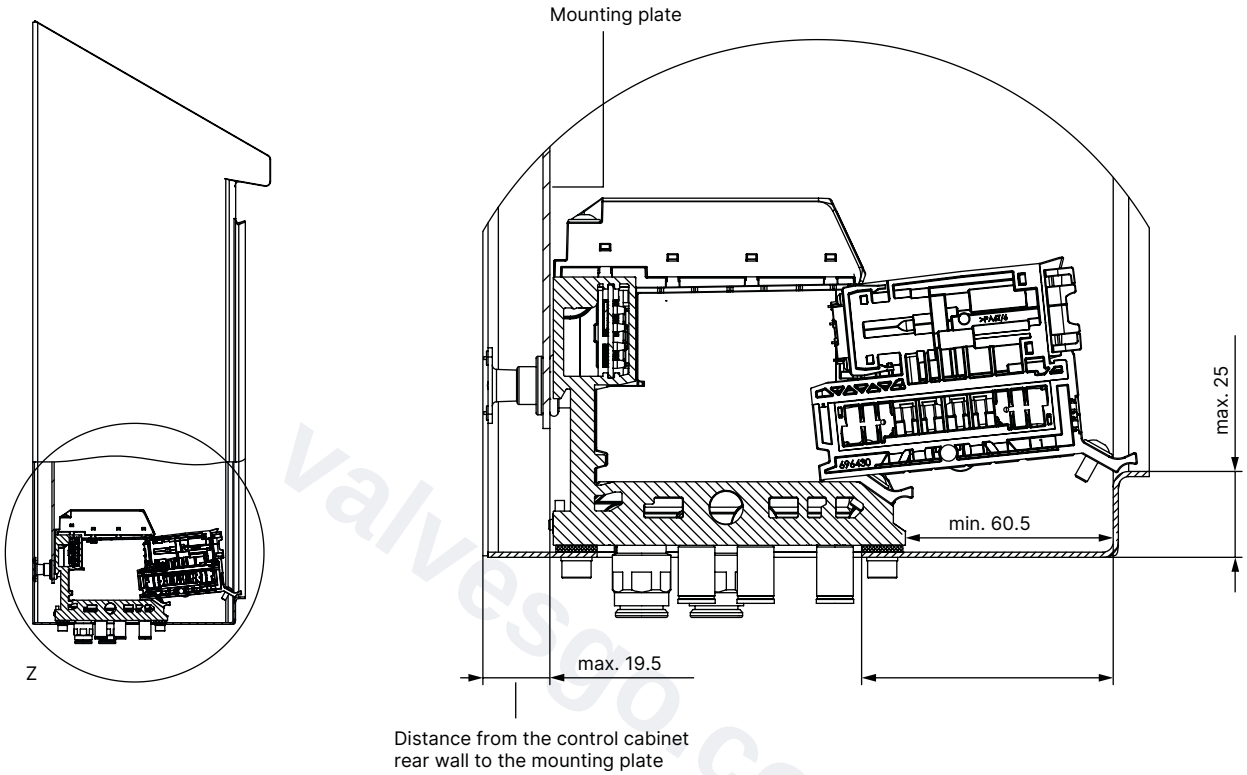
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6. Product installation

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 ▶**.

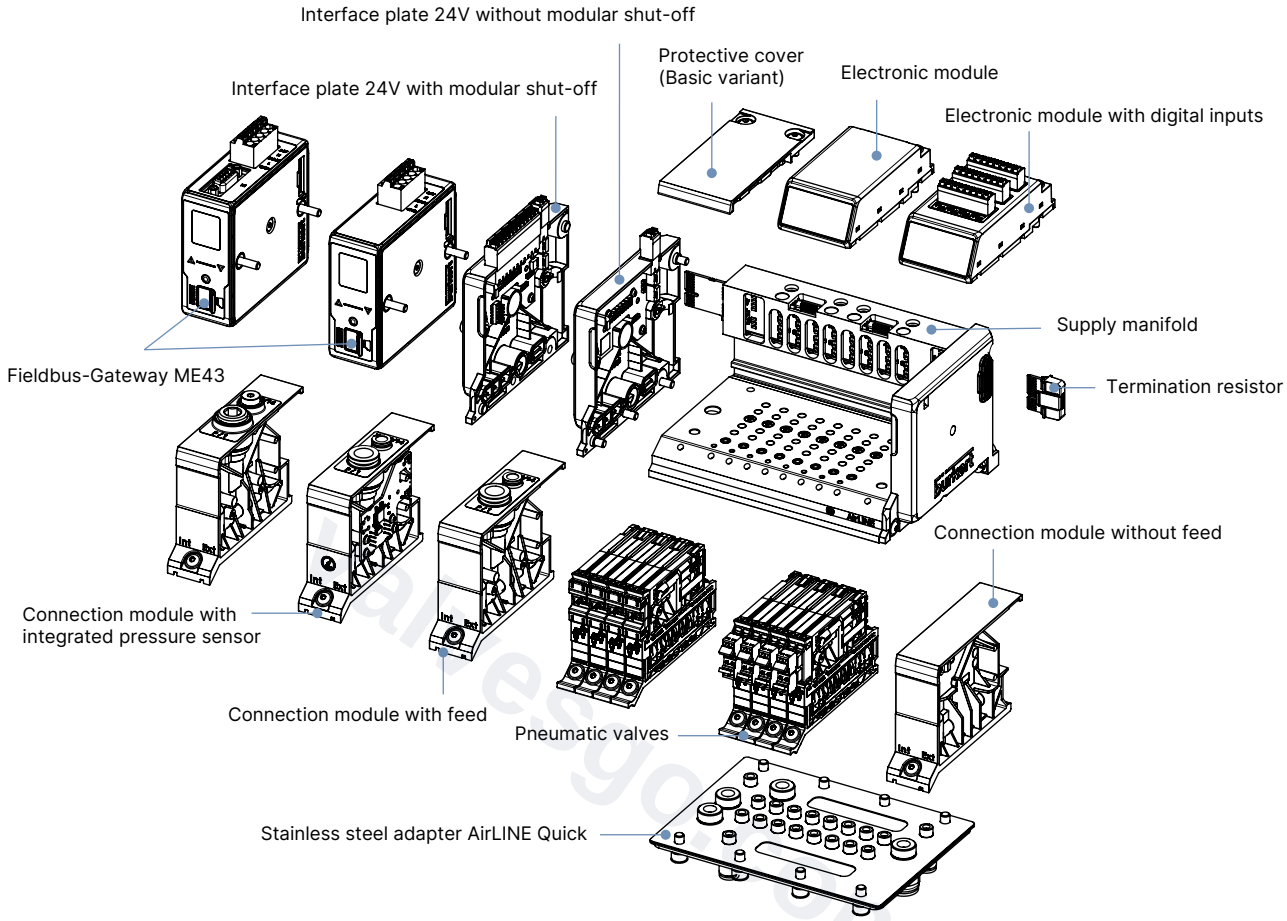


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7. Product design and assembly

7.1. Product assembly



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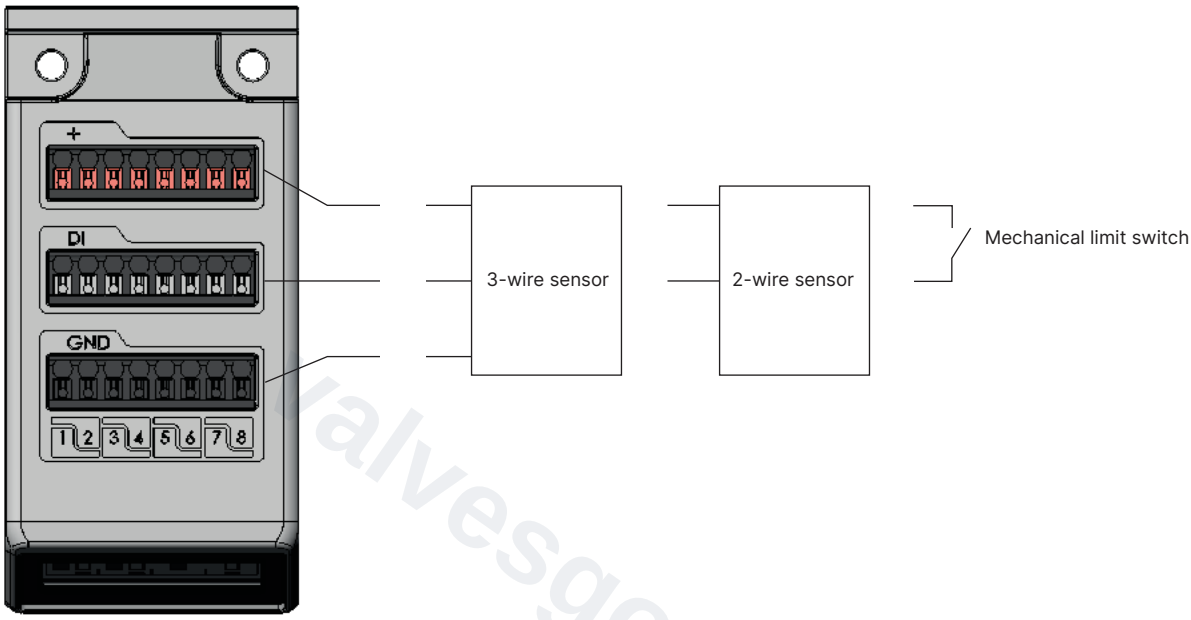
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7.2. Electronic module with digital inputs (optional)

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 V V_{ON} = 10...30 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

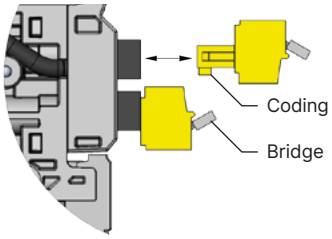
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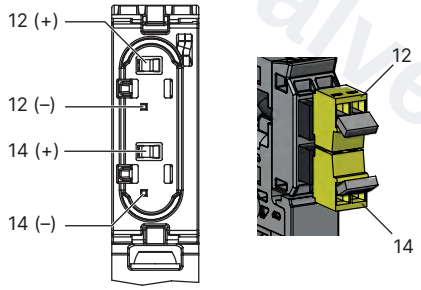
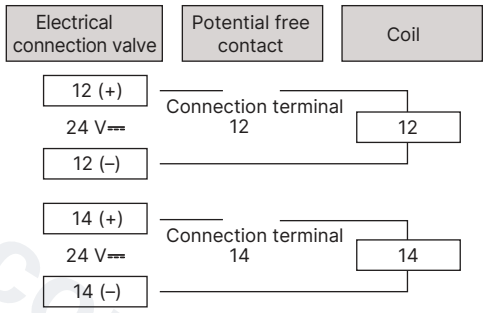
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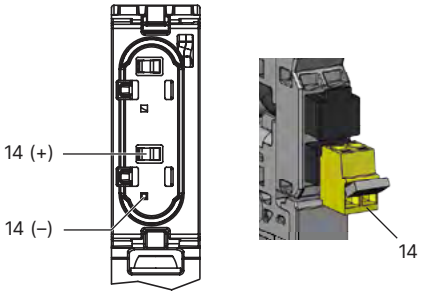
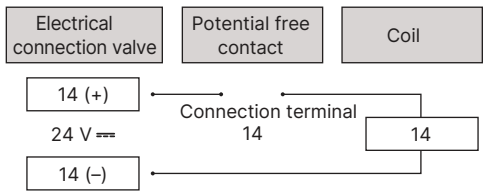
7.3. Valves Type 6534 for safety-related shut-off, SIA variant (optional)

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
	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. 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.
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
	

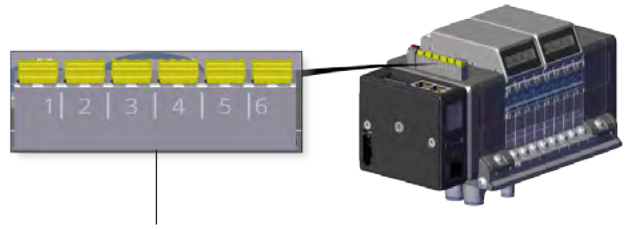
Connection designation	Circuit diagram
	

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7.4. Module-based safety shutdown (optional)

Connection designation



Optional: Connections for module-based safety shutdown
Terminal 1 = valve unit 1, Terminal 2 = valve unit 2, ...

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 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.



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8. Product accessories

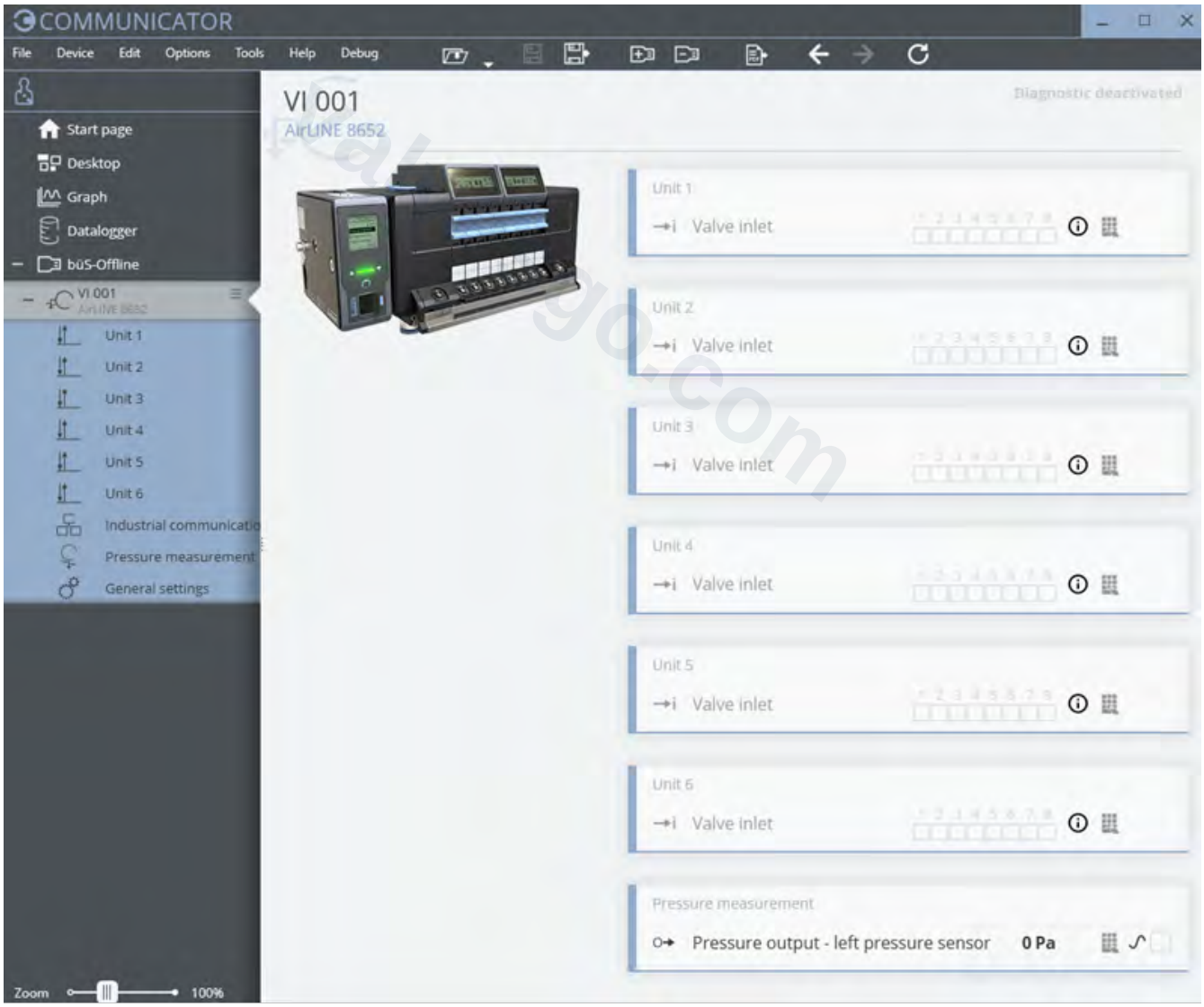
8.1. Bürkert Communicator software

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



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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

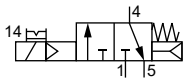
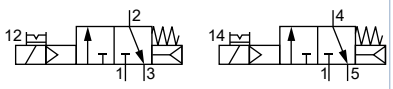
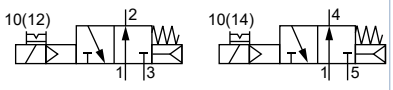
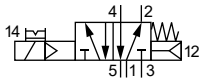
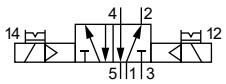
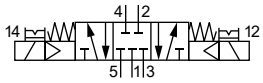
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9.4. Ordering chart replacement valves

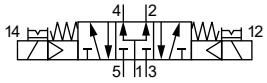
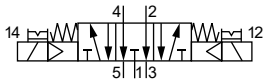
Solenoid valve Type 6534

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

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

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.

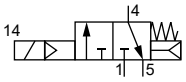
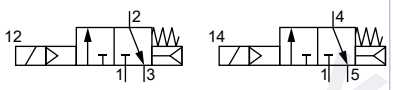
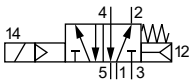
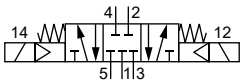
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Solenoid valve Type 6534 SIA variant (2nd port for shutdown)

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

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.

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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 ¼ inch and Ø ⅜ 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 ¼ inch and Ø ⅜ inch	384868
Connection module without pressure sensor with additional connection for compressed air supply (connection size: G ¼ and M7)	20094669
Connection module with pressure sensor with additional connection for compressed air supply (connection size: G ¼ 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

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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
Feldbus-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	**Type 8920 ▶**

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.

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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 (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

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