



Modular valve island for pneumatics

- Compact design
- Modular configuration
- Higher flexibility in control cabinet due to AirLINE Quick
- Simple exchange of valves (with option "P-shut-off" – also possible during operation)

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

Can be combined with

	Type 6524 ▶ 3/2-way or 2 x 3/2-way solenoid valve for pneumatic applications
	Type 6525 ▶ 5/2-way solenoid valve for pneumatic applications
	Type 8614 ▶ Pneumatic control cabinet solutions for hygienic process environments
	Type 0498 ▶ Double pilot controlled check valve for realising 5/3 way function with all ports blocked
	Type 2000 ▶ Pneumatically operated 2/2 way angle seat valve CLASSIC

Type description

The 8640 valve unit system is designed to solve diverse and complex control problems due to its systematic modular construction and combination of pneumatic and electrical interfaces. By putting together a row of pneumatic modules with different numbers of valves, 2 to 24 valve functionalities may be realized on one valve unit. Electrical connectivity is achieved by either fieldbus interfaces, common connection (parallel connection technique) or multipin interfaces. The valves allow different applications to be covered. Bodies and connection modules are made of high-quality plastic (polyamide) and are easy to assemble by means of the built-in snap connectors.

Table of contents

1. General technical data	3
1.1. General data	3
1.2. Notes on compatibility and revision levels	4
Distinguishing features valve island	4
Distinguishing features module	5
Distinguishing features valves	5
1.3. AirLINE Quick technical data	6
2. Product versions	7
2.1. Solenoid valves Type 6524 and Type 6525	7
2.2. Solenoid valve Type 0460	8
2.3. Solenoid valves Type 6526 and Type 6527	9
2.4. Solenoid valve Type 5470	10
3. Circuit functions	10
4. Device/Process connections	11
4.1. Collective line- and multipol-modules	11
4.2. Fieldbus modules	12
5. Product design and assembly	13
5.1. Product assembly	13
Electronics	13
Pneumatics 11 mm width per station	14
Pneumatics 16 mm width per station	15
AirLINE Quick-Adapter	16
Type 8640 programme	17
6. Ordering information	17
6.1. Bürkert eShop – Easy ordering and quick delivery	17
6.2. Bürkert product filter	17
6.3. Ordering chart replacement valves Type 6524 and Type 6525	18
6.4. Ordering chart replacement valves Type 0460	19
6.5. Ordering chart replacement valves Type 6526 and Type 6527	20
6.6. Ordering chart replacement valves Type 5470	21
6.7. Ordering chart accessories	22
Covering plates	22
Blanking plates	22
Bus Y-piece	22
RIO cable for bus extension	22
6.8. Ordering chart spare parts	23
11 mm width per station	23
16 mm width per station	23

1. General technical data

1.1. General data

Solenoid valves	Type 0460, Type 6524, Type 6525	Type 6526, Type 6527	Type 5470
Product properties			
Width/station	11 mm	16.5 mm	19 mm
Feedback	Max. 32	Max. 32	Max. 32
Circuit function ^{1.)}	C and D (3/2) H (5/2) H (5/2) impulse L (5/3) in middle position all ports closed N (5/3) in middle position all ports vented Detailed information can be found in chapter “3. Circuit functions” on page 10.	C and D (3/2) H (5/2)	C and D (3/2) G (4/2)
Performance data			
Pressure range	Vak....10 bar	Vak....10 bar	2...10 bar
Flow (Q _{Nn} value air)	300 l/min ^{2.)}	700 l/min ^{2.)}	300 l/min
Flow (Q _{Nn} value air) with integrated P-shut-off	240 l/min ^{2.)}		
Nominal operating mode	Continuous operation, 100 % ED	Continuous operation, 100 % ED	Continuous operation, 100 % ED
Valve functions (per island)	Max. 24	Max. 24	Max. 24
Electrical data			
Operating voltage	24 V DC	24 V DC	24 V DC
Total current	(Depending on the electrical connection technology)		
With common connection	max. 3 A (sum of current through individual valves)		
With multipin connection	max. 3 A (sum of current through individual valves) + max. 3 A (repeater)		
With fieldbus connection	$I_{TOTAL} = I_{BASE} + (n \times I_{VALVE}) + (m \times I_{REPEATER})$ n=quantity of valves, m=quantity of repeaters, I_{VALVE} = rated current of each valve $I_{REPEATER}$ = rated current of each repeater, $m \times I_{REPEATER}$ =max. 650 mA I_{BASE} =200 mA spec. base current Profibus-DP		
Nominal power	1 W	2 W, 1 W	1 W, 2 W, 3 W
Protection class	3 acc. VDE 0580	3 acc. VDE 0580	3 acc. VDE 0580
Voltage tolerance	± 10 %	± 10 %	± 10 %
Process/Port connection & communication			
Electrical connection	Common connection (parallel connection) / Multipin (D-Sub, 25 pin) / Profibus-DP / Profinet IO / Ethernet I/P / Modbus TCP		
Approvals and certificates			
Degree of protection	IP20 with terminals	IP20 with terminals	IP20 with terminals
Environment and installation			
Ambient temperature	0...+55 °C (with Type 0460: 0...+50 °C)	0...+55 °C	-10...+55 °C

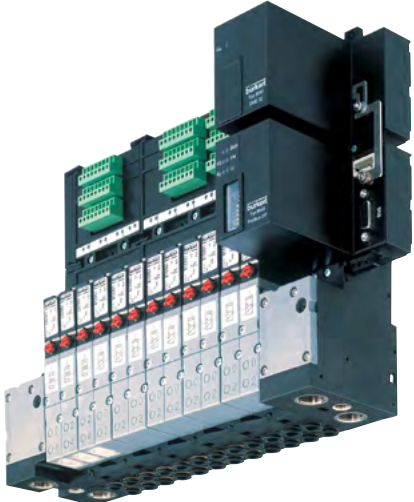
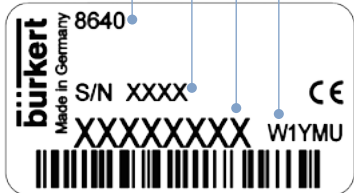
1.) Detailed information can be found in chapter "3. Circuit functions" on page 10.

2.) Maximum flow rate depending on valve function

1.2. Notes on compatibility and revision levels

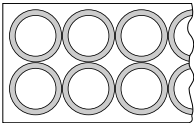
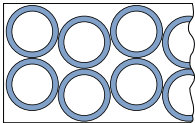
The single valves of the Types 6524 and 6525, the pneumatic basic and connection modules and the AirLINE Quick control cabinet base adaption have been revised due to various optimisations.

Distinguishing features valve island

Revision island	8640 REV. 1 & 2 ^{1.)}	8640 REV. 3
Visual distinction 11 mm		
Visual distinction 16 mm		
Marking on type plate	Valve island type Serial number Article number Construction date 	Valve island type Revision identification Serial number Article number Construction date 

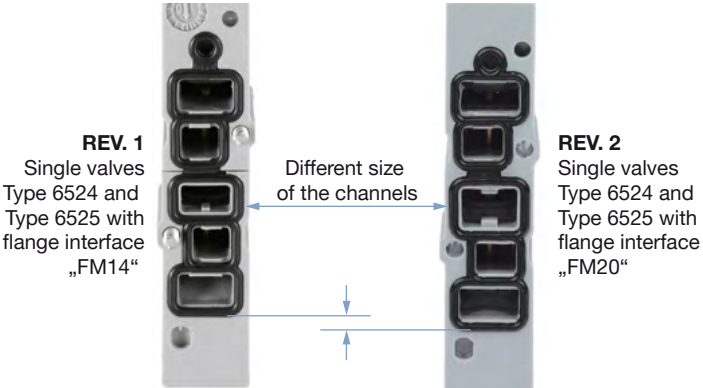
1.) If you have any questions regarding the differences in revisions, please contact your Bürkert sales representative.

Distinguishing features module

Revision island	8640 REV. 1 & 2 ^{1.)}	8640 REV. 3
Channel arrangement of the working connections	 parallel	 wavy
Colour of the release rings (hose connector)	black	blue
Flow reduction with integrated P shut-off	Up to 50 %	Up to 20 %

1.) If you have any questions regarding the differences in revisions, please contact your Bürkert sales representative.

Distinguishing features valves

Valves 6524/6525	Valve REV. 1	Valve REV. 2
Visual distinction	 REV. 1 Single valves Type 6524 and Type 6525 with flange interface „FM14“ Different size of the channels REV. 2 Single valves Type 6524 and Type 6525 with flange interface „FM20“	
Article no.	Distinguishing by article no. see “6.3. Ordering chart replacement valves Type 6524 and Type 6525” on page 18	
Information label	There is a information label on the valve which indicates that the valve has been overhauled. This information label must be removed before assembly.	

For further details, see operating instructions **Type 8640** ►, chapter 5.4.

1.3. AirLINE Quick technical data

Note:

The valves of Type 0460 cannot be installed with AirLINE Quick due to their size.

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 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 switch cabinet

Product properties

Material: AirLINE Quick Adapter	Stainless steel 1.4301 Aluminium anodized
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Material: pneumatic connection	Stainless steel 1.4301 brass nickel-plated
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Valve positions	4, 8, 12, 16, 24
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Valve functions	Up to 48
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Process/Port connection & communication

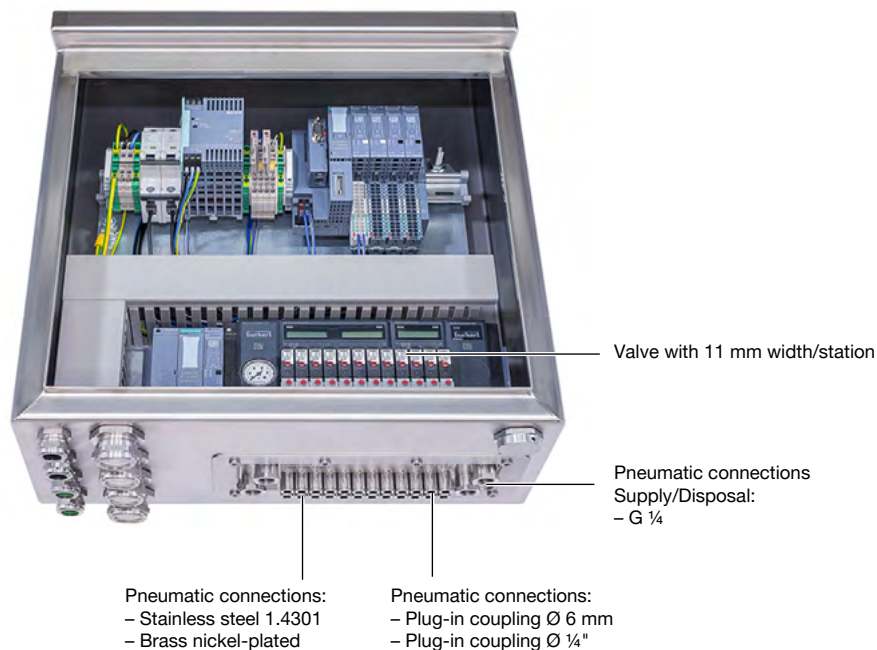
Connection: pneumatic feeding	G ¼
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Connection: pneumatic service ports	Plug-in coupling Ø 6 mm, plug-in coupling Ø ¼"
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Environment and installation

Installation	Wall control cabinet Floor control cabinet
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AirLINE Quick Adapter in stainless steel 1.4301 oder anodized aluminium



2. Product versions

2.1. Solenoid valves Type 6524 and Type 6525



- The pilot valves of **Type 6524** ▶ (single and double valve) and **Type 6525** ▶ (single valve) consist of a pilot flipper solenoid valve of Type 6144 and a pneumatic seat valve. The operating principle allows switching of high pressures with low power consumption and short switching times. The pilot valves are equipped with a manual override as standard.
- The pneumatic flange pattern of the pilot valves Type 6524 and 6525 (single valves) for Type 8640 REV. 3 has been standardised. There is a difference to the flange pattern of the pilot valves for Type 8640 REV. 2. It is therefore imperative to take into account the different article numbers of the pilot valves as described in chapter **"6.3. Ordering chart replacement valves Type 6524 and Type 6525"** on page 18.
- Detailed information about ordering information see **"6.3. Ordering chart replacement valves Type 6524 and Type 6525"** on page 18.
- Detailed information about further valve options see **"6.7. Ordering chart accessories"** on page 22.

Pilot valve Type	6524 / 6525	6524
Circuit function	3/2 and 5/2 way valve	2 × 3/2 way valve
Product properties		
Materials		
Body	PA (Polyamide)	
Seal	FPM, NBR and PUR	
Width per station	11 mm	
Manual override	Standard	
Pneumatic module	With plug-in coupling, Ø 6 mm, Ø ¼"	
Performance data		
Pressure data	Overpressure with respect to atmospheric pressure	
Flow (Q _{Nn} value air)	See “6.3. Ordering chart replacement valves Type 6524 and Type 6525” on page 18, measured at +20 °C, 6 bar pressure at valve inlet and 1 bar pressure difference pressure	
Nominal operating mode	Continuous operation (100 % ED)	
Switching time	Measured according to ISO 12238	
Electrical data		
Operating voltage	24 V DC (10 % residual ripple allowed)	
Nominal power	0.8 W	2 × 0.8 W with reduction of power
Medium data		
Operating medium	Lubricated and non lubricated dry compressed air; neutral gases (5µm filter recommended)	
Process/Port connection & communication		
Service port 2 (A), 4 (B)	Push-in connection Ø 6 mm, Push-in connection Ø ¼"	
Supply port connection 1 (P), 3 (R), 5 (S)	G ¼	
Electrical connection (at the valve)	Rectangular plug 2 pin grid 5.08 mm	Rectangular plug 3 pin grid 2.54 mm
Environment and installation		
Installation position	As required, preferably with actuator upright	
Mounting condition	With 2 screws M2 × 20	With 2 screws M2 × 28

2.2. Solenoid valve Type 0460



- The solenoid valve **Type 0460** ▶ consists of a pneumatic valve body fitted with a double coil pilot valve. The principle allows switching of high pressures together with low power consumption and fast response times. All valves are equipped with manual override as a standard.
- Detailed information about ordering information see [“6.4. Ordering chart replacement valves Type 0460” on page 19](#).
- Detailed information about further valve options see [“6.7. Ordering chart accessories” on page 22](#).

Pilot valve Type	0460
Circuit function	5/2 way and 5/3 way bistable
Product properties	
Materials	
Body	Aluminium
Seal	NBR
Width per station	11 mm
Manual override	Standard
Pneumatic module	With plug-in coupling, Ø 6 mm, Ø ¼
Performance data	
Pressure data	Overpressure to the atmospheric pressure
Flow (Q _{Nn} value air)	See “6.4. Ordering chart replacement valves Type 0460” on page 19 , measured at +20 °C, 6 bar pressure at valve inlet and 1 bar pressure difference
Switching time	Measured according to ISO 12238
Electrical data	
Operating voltage	24 V DC ± 10 %
Medium data	
Operating medium	Lubricated and non lubricated dry compressed air; neutral gases (5µm filter recommended)
Process/Port connection & communication	
Service port 2 (A), 4 (B)	Push-in connection Ø 6 mm, Push-in connection Ø ¼"
Supply port connection 1 (P), 3 (R), 5 (S)	G ¼
Electrical connection (on valve)	Rectangular plug 3 pin, grid 2.54 mm
Environment and installation	
Installation	As required, preferably with actuator upright
Mounting condition	With 2 screws M1,7 × 23

2.3. Solenoid valves Type 6526 and Type 6527



- The solenoid valve **Type 6526** ▶ and **Type 6527** ▶ consist of a pneumatic valve body fitted with **Type 6106** ▶ rocker pilot valve. The rocker principle allows switching of high pressure at low power consumption and fast response times. The pilot valves are equipped with manual override as a standard.
- Detailed information about ordering information see [“6.5. Ordering chart replacement valves Type 6526 and Type 6527” on page 20.](#)
- Detailed information about further valve options see [“6.7. Ordering chart accessories” on page 22.](#)

Pilot valve Type	6526	6527
Circuit function	3/2 way valve	5/2 way valve
Product properties		
Material		
Body	PA (Polyamide)	
Seal	NBR	
Width per station	16.5 mm	
Manual override	Standard	
Pneumatic modules	With plug-in coupling, Ø 8 mm	
Performance data		
Pressure data	Overpressure to the atmospheric pressure	
Flow (Q _{Nn} value air)	See “6.5. Ordering chart replacement valves Type 6526 and Type 6527” on page 20, measured at +20 °C, 6 bar pressure at valve inlet and 1 bar pressure difference	
Nominal operating mode	Continuous operation (100 % ED)	
Switching time	Measured acc. to ISO 12238	
Electrical data		
Operating voltage	24 V DC ± 10 %	
Nominal power	2 W, 1 W	
Medium data		
Medium	Lubricated and non-lubricated dry air, neutral gases (5 µm filter)	
Process/Port connection & communication		
Electrical connection	Tag connector acc. to DIN EN 175301 - 803 (previously DIN 43650) Form C	
Environment and installation		
Installation position	As required, preferably with pilot valve upright	
Mounting condition	With 2 screws M3 × 30	

2.4. Solenoid valve Type 5470

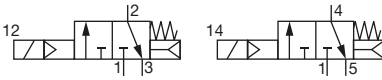
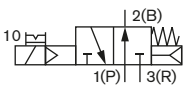
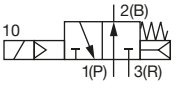
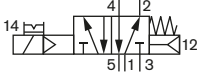
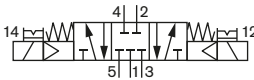
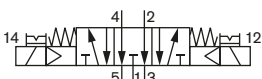
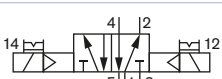


- The solenoid valve **Type 5470** ▶ consist of a pneumatic valve body fitted with **Type 6106** ▶ rocker pilot valve. An armature with a tilting bearing, similar or a rocker, tilts within the body of the pilot valve, and switches the valve. The minimal tilting movement of the rocker is non-wearing, and basic lubrication is unnecessary. The Type 5470 R is available as a 3/2 and 4/2 way valve. The valves can be mounted together individually using the module flange. In various applications, they can be used advantageously as valve blocks. Different variants are available for service ports 2 and 4.
- Detailed information about ordering information see **"6.6. Ordering chart replacement valves Type 5470"** on page 21.
- Detailed information about further valve options see **"6.7. Ordering chart accessories"** on page 22.

Pilot valve Type	5470
Circuit function	3/2 way and 4/2 way valve
Product properties	
Material	
Body	PA (Polyamide)
Seal	NBR
Width per station	18 mm
Nominal diameter/Orifice	DN 4.0
Performance data	
Nominal operating mode	Continuous operation (100 % ED)
Electrical data	
Operating voltage	24 V DC, 110...120 V DC, 220...240 V DC (for alternating current, use valves with UC-coil)
Voltage tolerance	± 10 %
Medium data	
Medium	Compressed air, neutral gases (5 µm-filter)
Medium temperature	- 10...+ 50 °C
Process/Port connection & communication	
Service port connections 2 and 4 (variants)	Threaded port G 1/8, Threaded port NPT 1/8, Tube connection SL 6/4 mm, Push-in Ø 6 mm
Supply port connections 1 and 3	Module flange
Electrical connection	Tag connector acc. to DIN 43 650 Form C, for cable plug Type 2516
Approvals and certificates	
Degree of protection	IP65 (with cable plug)
Ignition protection	EEx ia IIC T6 on request
Environment and installation	
Installation position	As required, preferably with pilot valve upright
Ambient temperature	- 10...+ 55 °C

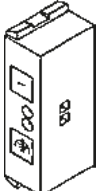
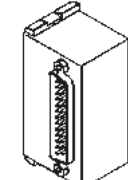
3. Circuit functions

Circuit Function	Description
	Type: C, solenoid valve 3/2 way Servo-controlled, with manual mode Normally closed
	Type: C, solenoid valve 3/2 way Servo-controlled Normally closed
	Type: C, solenoid valve 2 x 3/2 way Servo-controlled, with manual mode Normally closed

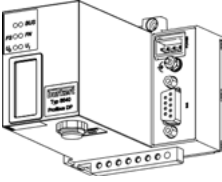
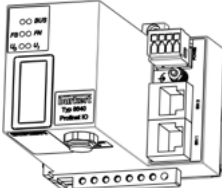
Circuit Function	Description
	Type: C, solenoid valve 3/2 way Servo-controlled Normally closed
	Type: D, solenoid valve 3/2 way Servo-controlled, with manual mode Normally open
	Type: D, solenoid valve 3/2 way Servo-controlled Normally open
	Type: H, solenoid valve 5/2 way Servo-controlled, pilot air and manual mode Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure.
	Type: L, solenoid valve 5/3 way With manual mode In middle position all ports locked
	Type: N, solenoid valve 5/3 way With manual mode In middle position ports 2 and 4 exhausted
	Type: Z, solenoid valve 5/2 way Impulse version with 2 coils and manual mode Normally open Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure.

4. Device/Process connections

4.1. Collective line- and multipol-modules

Module	Description
Collective connection module 	• Connection via individual stranded wires • Looped-through ground potential • Max. 24 valves • Degree of protection IP20 • Screw terminal
Multipin module Valve outputs 	• Max. 24 valves • Degree of protection IP20 • Electrical connection plug D-Sub (2 pin)

4.2. Fieldbus modules

Module	Description
PROFIBUS-DP 	• Max. 24 valves • Degree of protection IP20 • Max. 32 repeaters (in connection with EME module) • Transmission rates 9.6 / 19.2 / 93.75 / 187.5 / 500 kBaud; 1.5 / 3 / 6 / 12 MBaud • Power supply with rectangular plug (4 pin) • Bus connection D-Sub (9 pin) • RI connection M8 (4 pin)
Profinet IO, Ethernet I/P, Modbus TCP 	• Degree of protection IP20 • Max. 24 valves • Max. 32 repeaters (in connection with EME module) • Transmission rates 10/100 Mbits/s with Auto Crossover • Power supply with rectangular plug (4 pin) • Bus connection RJ45 (2x) • RIO connection M8 (4 pin)

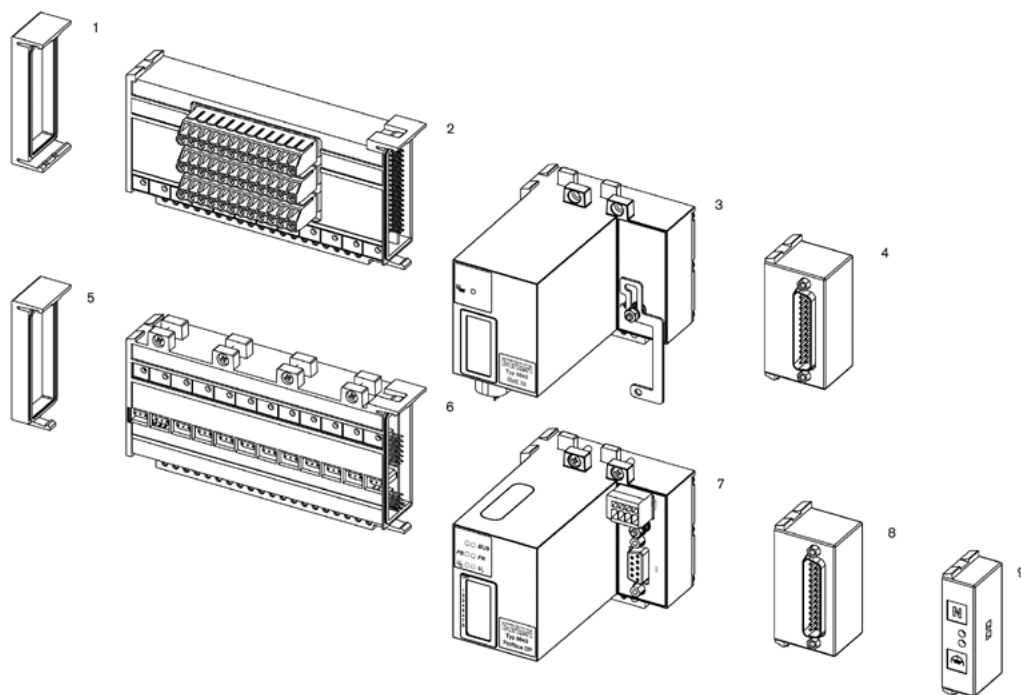
5. Product design and assembly

5.1. Product assembly

Electronics

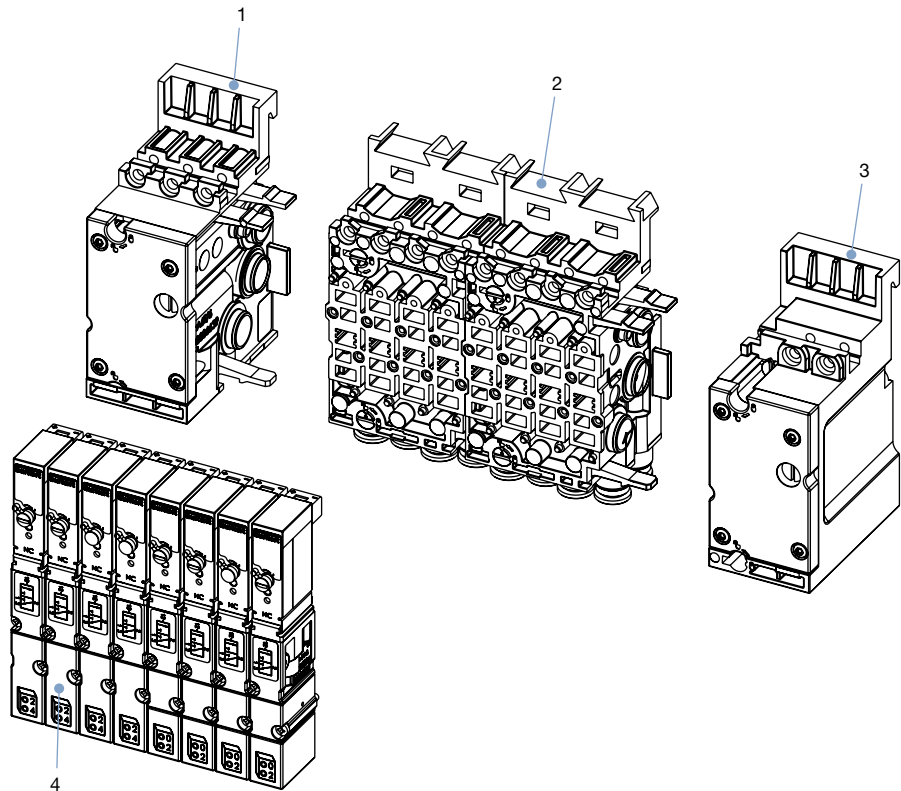
Note:

Selection of basic electrical modules, for further modules see “4.1. Collective line- and multipol-modules” on page 11 and “4.2. Fieldbus modules” on page 12.



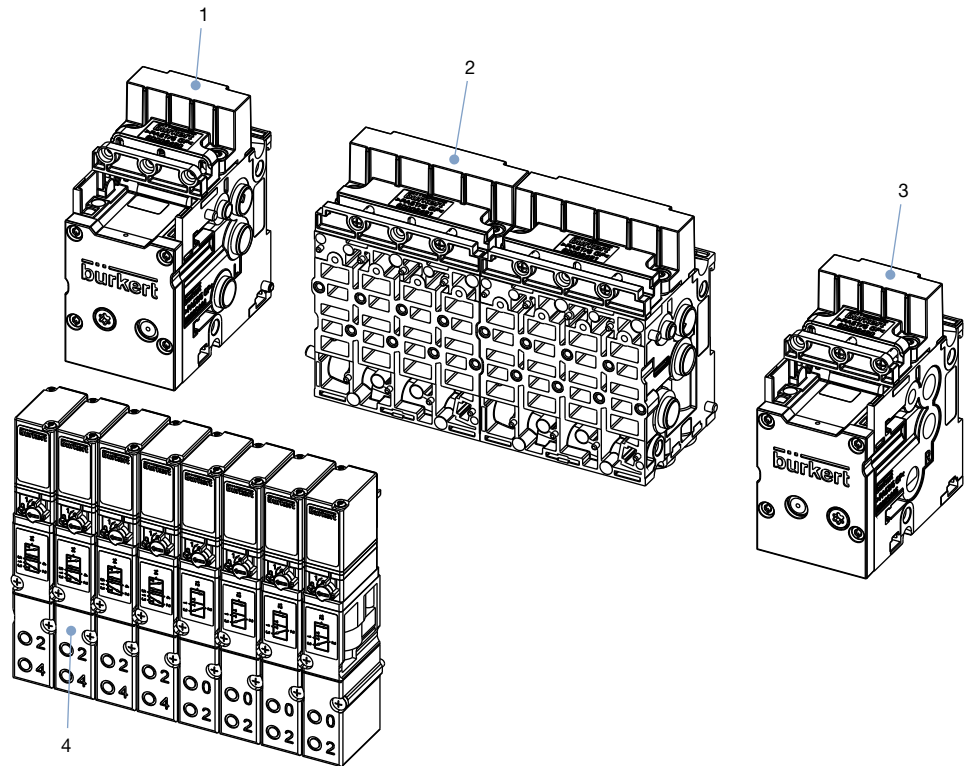
No.	Element
1	Electrical end module, left
2	Terminal module for feedback
3	Extension module for electrical inputs
4	Multipin repeater inputs (initiators)
5	Electrical end module, left
6	Basic electrical module standard
7	Fieldbus module
8	Multipin valve outputs
9	Common connection module

Pneumatics 11 mm width per station



No.	Element
1	Pneumatic connection module, left
2	Basic pneumatic modules
3	Pneumatic connection module, right
4	Valves (for example 5/2 way)

Pneumatics 16 mm width per station



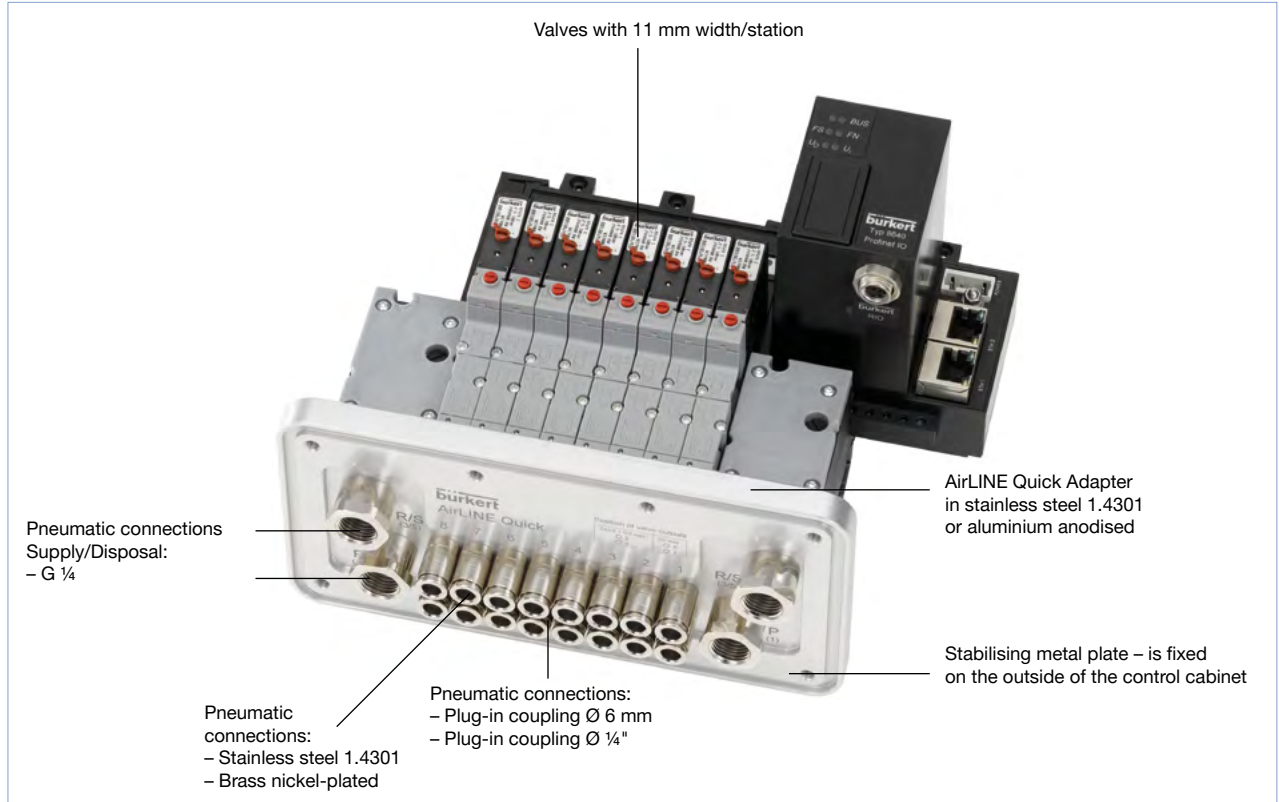
No.	Element
1	Pneumatic connection module, left
2	Basic pneumatic modules
3	Pneumatic connection module, right
4	Valves (for example 5/2 way)

AirLINE Quick-Adapter

With AirLINE Quick you can reduce the amount of the components in the control cabinet considerably. With the AirLINE Quick Adapter the valve island is directly adapted on the control cabinet floor or wall.

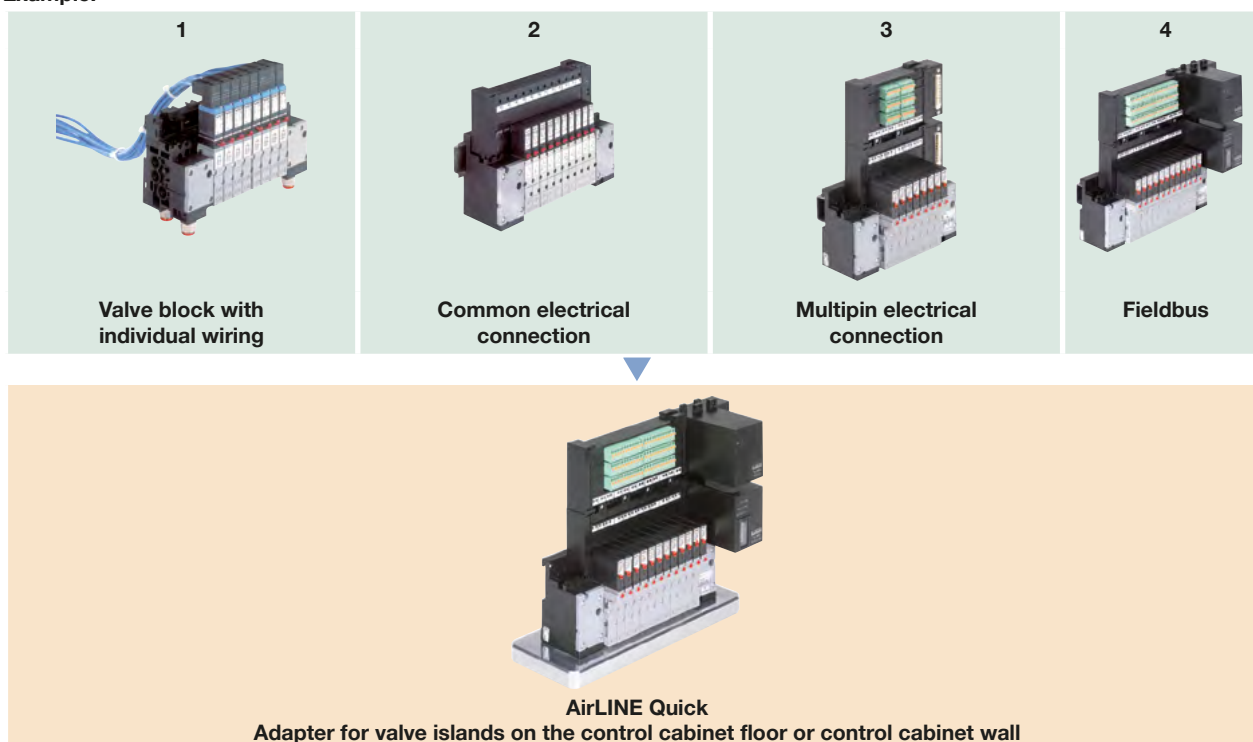
Note:

The valves of type 0460 cannot be installed with AirLINE Quick due to their size.



Type 8640 programme

Example:



6. Ordering information

6.1. Bürkert eShop – Easy ordering and quick delivery



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](#)

6.2. Bürkert product filter



Bürkert product filter – Get quickly to the right product

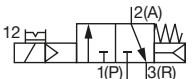
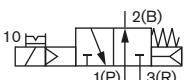
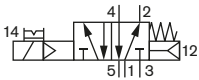
You want to select products comfortably based on your technical requirements? Use the Bürkert product filter and find suitable articles for your application quickly and easily.

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6.3. Ordering chart replacement valves Type 6524 and Type 6525

Note:

For detailed information on the corresponding product version, see “2.1. Solenoid valves Type 6524 and Type 6525” on page 7.

Circuit function	Orifice [mm]	Q _{val} value air ^{1.)} [l/min]	Pressure range [bar]	Response times		Voltage/ Frequency [V/Hz]	Article no.	
				Opening [ms]	Closing [ms]		Valves Rev. 1 for 8647 Rev. 1 ^{3.)}	Valves Rev. 2 for 8647 Rev. 2 ^{3.)}
Type: C, solenoid valve 3/2 way Servo-controlled, with manual mode Normally closed 	4.0	300	Vac....7	15	20	24 V DC	20029915 ☒ (186258) ^{4.)}	20029923 ☒ (20013119) ^{4.)}
			1...10 ^{2.)}	15	20	24 V DC	20029913 ☒ (186257) ^{4.)}	20029921 ☒ (20013114) ^{4.)}
			2.5...10	15	28	24 V DC	20029910 ☒ (184043) ^{4.)}	20029918 ☒ (365606) ^{4.)}
Type: D, solenoid valve 3/2 way Servo-controlled, with manual mode Normally open 	4.0	300	2.5...10	15	28	24 V DC	20029911 ☒ (184400) ^{4.)}	20029919 ☒ (365609) ^{4.)}
Type: H, solenoid valve 5/2 way Servo-controlled, pilot air and manual mode Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure. 	4.0	300	1...10 ^{2.)}	15	20	24 V DC	20029914 ☒ (186271) ^{4.)}	20029922 ☒ (20013117) ^{4.)}
			2.5...10	20	28	24 V DC	20029912 ☒ (179938) ^{4.)}	20029920 ☒ (365610) ^{4.)}
Type: C, solenoid valve 2 x 3/2 way Servo-controlled, with manual mode Normally closed 	4.0	300	1...10 ^{2.)}	12	20	24 V DC	186259 ☒	
			2.5...10	12	20	24 V DC	186260 ☒	

1.) With integrated HotSwap and/or non-return function, see chapter “Distinguishing features module” on page 5.

2.) Version with auxiliary pilot air

3.) If you have any questions regarding the compatibility of the valve revision, please contact your Bürkert sales representative.

4.) The valve article number can no longer be ordered. Please order superior set.

6.4. Ordering chart replacement valves Type 0460

Note:

Detailed information about product version see “2.2. Solenoid valve Type 0460” on page 8.

Circuit function	Orifice	Q ₉₀ value air ^{1.)}	Pressure range ^{2.)}	Response times		Nominal power	Article no. Valve Rev. 1 for 8640 Rev.1, 2 & 3
	[mm]	[l/min]	[bar]	Opening [ms]	Closing [ms]	[W]	
Type: Z, solenoid valve 5/2 way Impulse version with 2 coils and manual mode Normally open Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure.	2.5	200	2.0...7.0	15	15	0.5	154183 ☹
Type: L, solenoid valve 5/3 way With manual mode In middle position all ports locked Normally closed	2.5	200	2.0...7.0	15	20	1	154184 ☹
Type: N, solenoid valve 5/3 way With manual mode In middle position ports 2 and 4 exhausted There is always one of the two outlet ports (2) or (4) pressurized when coil is activated.	2.5	200	2.0...7.0	15	20	1	154185 ☹

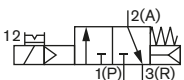
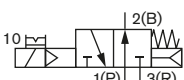
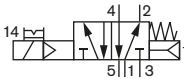
1.) Flow rate (Q₉₀ value air): Measurement at +20 °C, 6 bar pressure at valve inlet, 1 bar pressure difference

2.) Pressure data: Overpressure to atmospheric pressure

6.5. Ordering chart replacement valves Type 6526 and Type 6527

Note:

Detailed information about product version see “2.3. Solenoid valves Type 6526 and Type 6527” on page 9.

Circuit function	Orifice [mm]	Q _{N₀} -val- ue ^{1.)} air [l/min]	Pressure range ^{2.)} [bar]	Switching times		Nominal power [W]	Voltage/ Frequency [V/Hz]	Article no. Valve Rev. 1 for 8640 Rev. 1, 2 & 3
				Opening [ms]	Closing [ms]			
Type: C, solenoid valve 3/2 way Servo-controlled, with manual mode Normally closed 	6	700	1.0...10 ^{1.)}	20	12	2	24 V DC	156842 
			1.0...10 ^{1.)}	20	12	2	24 V DC	163028 
			2.0...10	20	12	2	24 V DC	156318 
			2.0...10	20	12	2	24 V DC	158944 
			2.0...8.0	20	17	1	24 V DC	156840 
			2.0...8.0	20	12	1	24 V DC	158947 
Type: D, solenoid valve 3/2 way Servo-controlled, with manual mode Normally open 	6	700	1.0...10 ^{1.)}	20	12	2	24 V DC	163029 
			2.0...10	12	20	2	24 V DC	156320 
			2.0...10	20	12	2	24 V DC	158946 
			2.0...8.0	17	20	1	24 V DC	156841 
Type: H, solenoid valve 5/2 way Servo-controlled, pilot air and manual mode Pressure applied via port (1), therefore one of the two ports (2) or (4) is under pressure. 	6	700	1.0...10 ^{1.)}	20	12	2	24 V DC	156828 
			1.0...10 ^{1.)}	20	12	2	24 V DC	163030 
			2.0...10	20	12	2	24 V DC	156337 
			2.0...10	20	12	2	24 V DC	158942 
			2.0...8.0	20	17	1	24 V DC	156827 
			2.0...8.0	20	12	1	24 V DC	158943 

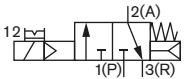
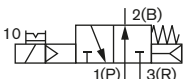
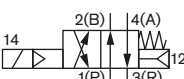
1.) Flow rate (Q_{N₀} value air): Measurement at +20 °C, 6 bar pressure at valve inlet, 1 bar pressure difference

2.) Pressure data: Overpressure to atmospheric pressure

6.6. Ordering chart replacement valves Type 5470

Note:

Detailed information about product version see "2.4. Solenoid valve Type 5470" on page 10.

Circuit function	Orifice	Q _{Nm} -value ^{1.)} air	Service ports 4 and 2	Pressure range ^{2.)}	Nominal power	Voltage/ Frequency	Article no. (Valve islands)	Article no. (Valve blocks)
	[mm]							
Type: C, solenoid valve 3/2 way Servo-controlled, with manual mode Normally closed 	4	300	Push-in Ø 6 mm, below	2...8	1	24 V DC	132479 ☒	135203 ☒
				2...10	2	24 V DC	133148 ☒	135204 ☒
				2...10	3	110...120 DC	–	132952 ☒
				2...10	3	220...240 DC	–	132953 ☒
Type: D, solenoid valve 3/2 way Servo-controlled, with manual mode Normally open 	4	300	Push-in Ø 6 mm, below	2...8	1	24 V DC	132481 ☒	136742 ☒
				2...10	2	24 V DC	136741 ☒	136743 ☒
				2...10	3	110...120 DC	–	136744 ☒
				2...10	3	220...240 DC	–	136745 ☒
Type: G, solenoid valve 4/2 way Servo-controlled 	4	300	Push-in Ø 6 mm, front	2...8	1	24 V DC	132487 ☒	135205 ☒
				2...10	2	24 V DC	133149 ☒	135206 ☒
				2...10	3	110...120 DC	–	132954 ☒
				2...10	3	220...240 DC	–	132955 ☒
	4	300	Push-in Ø 6 mm, below	2...8	1	24 V DC	132489 ☒	135207 ☒
				2...10	2	24 V DC	133150 ☒	135208 ☒
				2...10	3	110...120 DC	–	132956 ☒
				2...10	3	220...240 DC	–	132957 ☒
	4	300	Push-in Ø 6 mm, front with throttle- check valve	2...8	1	24 V DC	132488 ☒	135209 ☒
				2...10	2	24 V DC	133151 ☒	135210 ☒
				2...10	3	110...120 DC	–	133152 ☒
				2...10	3	220...240 DC	–	133153 ☒
	4	300	Threaded port G 1/8, front	2...8	1	24 V DC	132483 ☒	135211 ☒
				2...10	2	24 V DC	133157 ☒	135212 ☒
				2...10	3	110...120 DC	–	132958 ☒
				2...10	3	220...240 DC	–	132959 ☒
	4	300	Threaded port G 1/8, front, with throttle- check valve	2...8	1	24 V DC	132484 ☒	135213 ☒
				2...10	2	24 V DC	133159 ☒	135214 ☒
				2...10	3	110...120 DC	–	133160 ☒
				2...10	3	220...240 DC	–	133161 ☒
	4	300	Tube connection SL6/4 mm, front	2...8	1	24 V DC	133162 ☒	135215 ☒
				2...10	2	24 V DC	133163 ☒	135216 ☒
				2...10	3	110...120 DC	–	133164 ☒
				2...10	3	220...240 DC	–	133166 ☒

1.) Flow rate (Q_{Nm} value air): Measurement at +20 °C, 6 bar pressure at valve inlet, 1 bar pressure difference

2.) Pressure data: Overpressure to atmospheric pressure

6.7. Ordering chart accessories

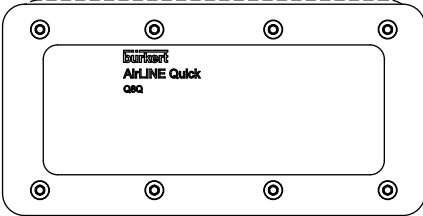
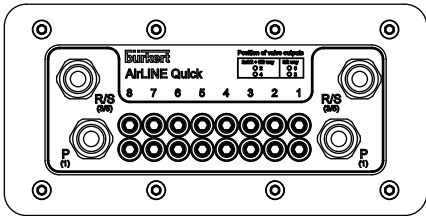
Covering plates

Note:
When all the valve connections in a basic valve unit module are not used, then these connections should be covered by the appropriate covering plate for full efficiency.

Covering plates	Article no.
Covering plate for solenoid valve Type 6524/6525 (Rev. 1)	650373
Covering plate for solenoid valve Type 6524/6525 (Rev. 2)	661092
Covering plate for solenoid valve Type 6524 2 × 3/2 way valve	661092
Covering plate for solenoid valve Type 6526/6527	653765

Blanking plates

Note:
A blanking plate is used to cover an existing flange for AirLINE Quick on the cabinet wall or on the cabinet floor.



Material	Amount of valve slots	Article no.
Stainless steel 1.4301	4	366243
	8	366244
	12	366245
	16	366246

Bus Y-piece

Note:
You must use one pre-assembled plug and one plug for free assembly.

	Cover plates	Article no.
	Bus Y-piece for PROFIBUS	902098

RIO cable for bus extension

Cable	Article no.
Cable 1 m	917498
Cable 2 m	917999

6.8. Ordering chart spare parts

11 mm width per station

Description	Content	Article no.
Replacement valves	–	See “6.3. Ordering chart replacement valves Type 6524 and Type 6525” on page 18
Cover plates	–	See “6.7. Ordering chart accessories” on page 22
Set of valve seals		
Profile seal set pilot valve Type 6524, 2x 3/2 way	12 seals	20016305 
Profile seal set pilot valve Type 6525, REV. 1	12 seals	20024334 
Profile seal set pilot valve Type 6525, REV. 2	12 seals	20016305 
Profile seal set pilot valve Type 6524, 3/2 way, REV. 1	12 seals	20024333 
Profile seal set pilot valve Type 6524, 3/2 way, REV. 2	12 seals	20024336 
Profile seal set pilot valve Type 0460	12 seals	20024330 
Set of seals modules	12 seals	20024339 
Connection assemblies	On request	On request
Valve module assemblies	On request	On request
Set of hose connectors Ø 6 mm brass	8	20024340 
Set of hose connectors Ø 6 mm VA	8	20024341 
Electronic modules	On request	On request

16 mm width per station

Description	Content	Article no.
Replacement valves	–	See “6.3. Ordering chart replacement valves Type 6524 and Type 6525” on page 18
Cover plates	–	See “6.7. Ordering chart accessories” on page 22
Profile seal set pilot valve Type 6526 and Type 6527	12 seals	20016307 
Set of seals modules	12 seals	20016310 
Connection assemblies	On request	On request
Valve module assemblies	On request	On request
Electronic modules	On request	On request

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