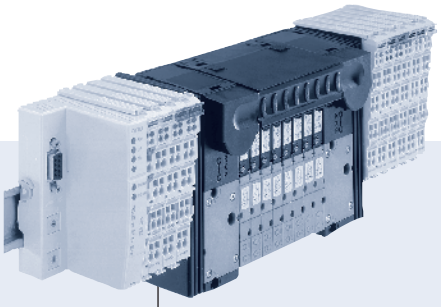
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FLUID CONTROL SYSTEMS

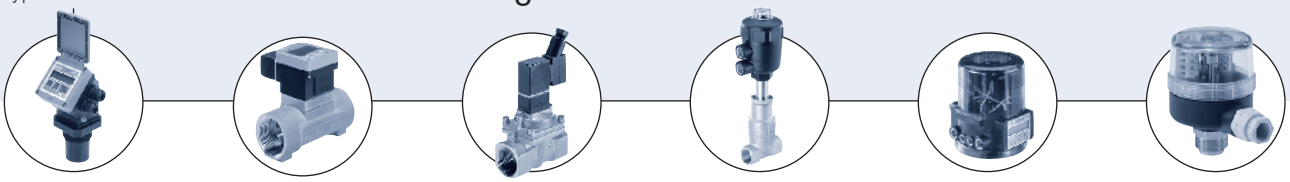


Remote Process Actuation Control System AirLINE – WAGO

Remote I/Os and Fieldbusses

- Fully compatible with WAGO I/O System 750
- Combination of Fieldbus, pilot valves and I/O modules
- High flexibility
- Compact design
- High flow rate

Type 8644 can be combined with...



Type 8175
Sensors

Type 8032
Switches

Type 6212
Solenoid valves

Type 2012
Process valves

Type 8630
Valve controllers

Type 1062
Position feedback

The AirLINE System integrates high performance solenoid pilot valves, remote electronic I/O and fieldbus communication into a process actuation and control system that is both compact and extremely flexible. Its modular design allows fully customized, pre-mounted and tested solutions to exactly meet all application needs including the integration of a local Mini PLC. Due to the full electronic and mechanical integration, the valve block can be added without the need of any tools or wiring.

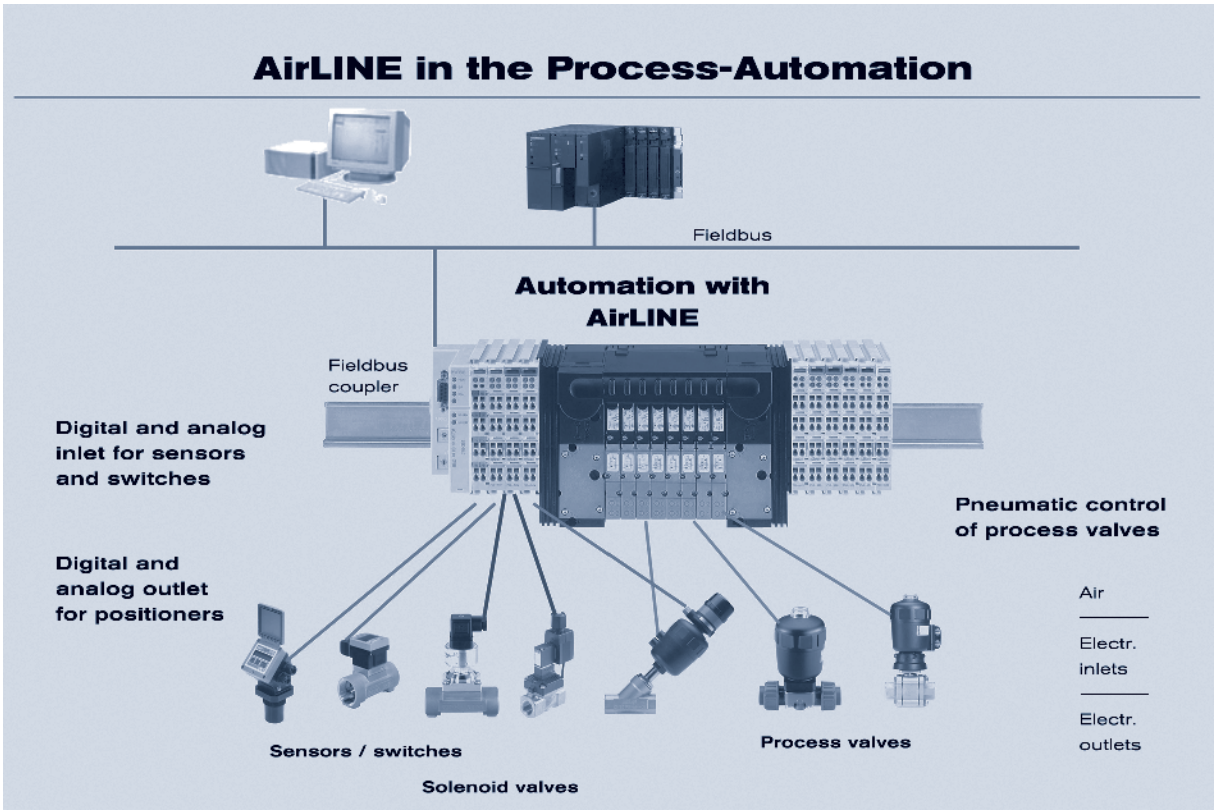
Specifications	Pilot valve type 10 mm 0460, 6524, 6525	Pilot valve type 16 mm 0461, 6526, 6527
Mounting dimensions	11 mm	16.5 mm
Circuit functions/ways	C (3/2) D (3/2) H (5/2) H (5/2) impulse L (5/3) in middle position all ports closed N (5/3) in middle position all ports vented	C (3/2) D (3/2) H (5/2) H (5/2) impulse L (5/3) in middle position all ports open N (5/3) in middle position all ports vented
Flow rate	300 l/min (200 l/min for functions H impulse, L and N)	700 l/min (500 l/min for functions H impulse, L and N)
Pressure range	Vac. up to 145 PSI	Vac. up to 145 PSI
Module types	2x and 8x (optional integrated check valves and p-shut-off-valve)	2x and 4x (optional integrated check valves) Combination of 11 mm modules (3 valves) and 16.5 mm modules is possible
Max. number of modules	Depending on application	Depending on application
Max. number of valves functionalities	64 (by use of Type 0460 & Type 6524 2 x 3/2-way valve: 32)	32 (by use of Type 0461: 24)
Pneumatic intermediate supply module	necessary after 24 valve functions; with 2 x 3/2-way valve: necessary after 16 valve functions	necessary after 16 valve functions

to be continued on page 2

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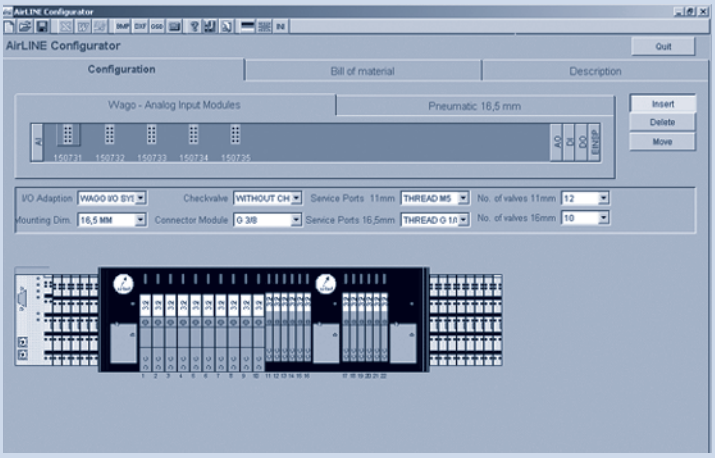
Specifications	Pilot valve type	
	0460, 6524, 6525	0461, 6526, 6527
Fieldbus type	PROFIBUS DP, INTERBUS, DeviceNet, CANopen, Ethernet, others on request	PROFIBUS DP, INTERBUS, DeviceNet, CANopen, Ethernet, others on request
Electrical modules	WAGO I/O System 750	WAGO I/O System 750
Digital modules	2 or 4 inputs 2 or 4 outputs, others on request	2 or 4 inputs 2 or 4 outputs, others on request
Analog modules	2 or 4 inputs (0-10 V, 0-20 mA, 4-20 mA, RTD, TC) 2 outputs (0-10 V, 0-20 mA, 4-20 mA) others on request	2 or 4 inputs (0-10 V, 0-20 mA, 4-20 mA, RTD, TC) 2 outputs (0-10 V, 0-20 mA, 4-20 mA) others on request
Operating voltage	24 V/DC	24 V/DC
Permissible voltage tolerance	+20%/-15% (by use of Type 0460: ±10%)	+20%/-15% (by use of Type 0461: ±10%)
Residual ripple	1 Vss	1 Vss
Rated power per valve	1 W (0.5 W nominal power after 120 ms)	2 W (1 W nominal power after 120 ms)
Rated current per valve	43 mA (28 mA holding current after 120 ms)	86 mA (56 mA holding current after 120 ms)
Temperatures		
Operating	32°F to 131°F (0°C to +55°C) (by use of Type 0460: 32°F to 122°F (0°C to +50°C))	32°F to 131°F (0°C to +55°C) (by use of Type 0461: 32°F to 122°F (0°C to +50°C))
Storage	-4°F to 140°F (-20°C to +60°C)	-4°F to 140°F (-20°C to +60°C)
Rating	IP20 IP65 in closed field housing	IP20 IP65 in closed field housing
Approvals for hazardous areas	Zone 2	on request

Application example



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Configuration software



AirLine is a system of modular design which is precisely adapted to the specific requirements of the customer. Burkert offers a software program, the Configurator, for the simple, precise generation of the required configuration of each Airline system.

The Burkert Configurator defines:

- Number and types of valves
- Type of (intermediate) supplies

The results supplied by the Configurator:

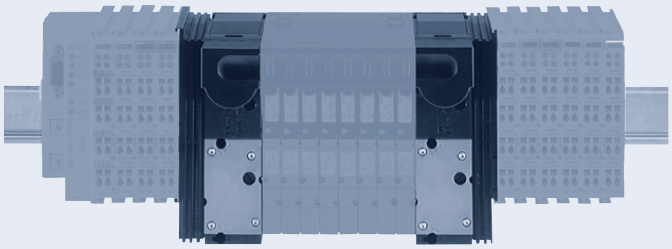
- Bill of materials, incl. list prices
- Illustration

For more information consult individual datasheets, downloadable at www.burkert-usa.com

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Pneumatic modules and electrical interfaces for modules series 750 WAGO

Connector modules ME02



Connector module “left“



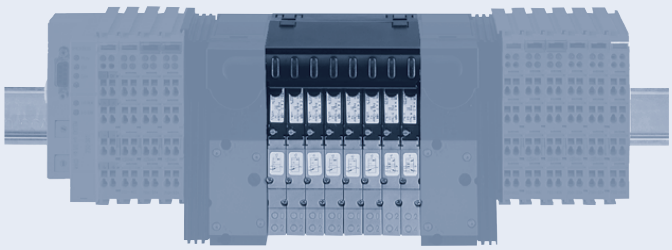
Description	Port connection	Item no.
Without pressure gauge	threaded port G 1/4	148 844
	threaded port NPT 1/4	148 848
	push-in 10 mm	150 242
With pressure gauge	threaded port G 1/4	150 144
	threaded port NPT 1/4	150 145
	push-in 10 mm	150 146

Connector module “right“ and Pneumatic intermediate supply module



Description	Port connection	Item no.
Connector module “right”		
Without pressure gauge	threaded port G 1/4	150 147
	threaded port NPT 1/4	150 148
	push-in 10 mm	150 149
With pressure gauge	threaded port G 1/4	150 150
	threaded port NPT 1/4	150 151
	push-in 10 mm	150 152
Pneumatic intermediate supply module		
Without pressure gauge	threaded port G 1/4	150 628
	threaded port NPT 1/4	150 630
	push-in 10 mm	150 629
With pressure gauge	threaded port G 1/4	150 631
	threaded port NPT 1/4	150 633
	push-in 10 mm	150 632

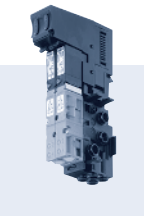
AirLINE valve modules



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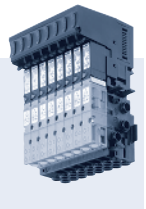
Pneumatic basic module, electrical basic module and pilot valves

2 valves wide/2 valves wide with 2 x 3/2-way valve



Service port 2 (A), 4 (B)
Threaded port M5
Threaded port M7
Push-in ø 6 mm
Push-in ø 1/4“
Push-in ø 5/32“

8 valves wide/8 valves wide with 2 x 3/2-way valve



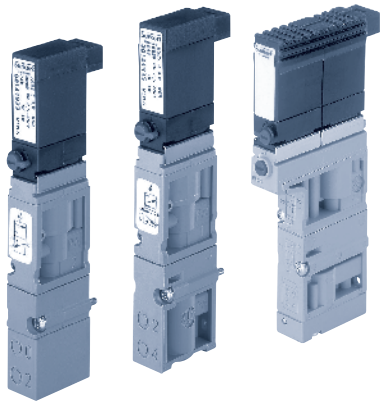
Service port 2 (A), 4 (B)
Threaded port M5
Threaded port M7
Push-in ø 6 mm
Push-in ø 1/4“
Push-in ø 5/32“

Available options on request

- Check valves in R, S and P-shut
- Covering plate for spare channels
- Channel separation plugs to build different pressure areas

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11mm width per station: Multi-way solenoid valve Types 6524 and 6525

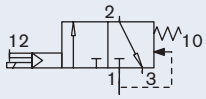
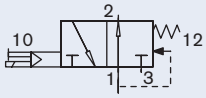
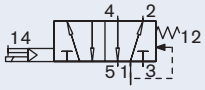
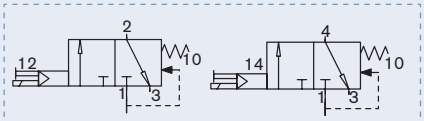


The solenoid valve Types 6524 and 6525 consist of a pneumatic valve body fitted with Type 6104 rocker pilot valve. The rocker principle allows switching of high pressure at low power consumption and fast response times. The pilot valves are equipped with manual override as a standard.
The 2 x 3/2-way valve version is the combination of two pilot rocker solenoid valves type 6104 and a pneumatic seat valve.

Specification	3/2-way valve	2 x 3/2-way valve
Body material	PA (polyamide)	
Seal material	FPM, NBR	
Media	Lubricated and non-lubricated dry air, neutral gases (5 µm-Filter)	
Port connection	Flange for MP11	
Manual override	As a standard feature	
Voltage	24 V DC	
Nominal power	1 W	2 x 1 W with reduction of power consumption
Duty cycle	Continuous operation (100% ED)	
Elec. connection on valve	Rectangular plug 2-pole with raster 5.08 mm	Rectangular plug 3-pole with raster 2.54 mm
Mounting	With 2 screws M2 x 20	With 2 screws M2 x 28
Installation position	As required, preferably with pilot valve upright	

Flow rate: QNn value air [l/min]	Measured at 68°F (+20°C), 87 PSI pressure at valve inlet and 14.5 PSI pressure difference
Pressure ranges [PSI]	Measured as overpressure to the atmospheric pressure
Response times [ms]	Measured according to ISO 12238

Order chart for valves

Circuit function	Orifice [mm]	C_v	Q_{Nn}-value air [l/min]	Pressure range [PSI]	Response times: Opening [ms]	Response times: Closing [ms]	Voltage/ Frequency [V/Hz]	Item no.
C  3/2-way valve, servo-assisted in de-energized position port 2 to atmosphere	4	.28	300	Vac. - 101.5	15	20	24 V DC	153 958
				14.5 - 101.5 [1]	15	20	24 V DC	150 333
				36.25 - 101.5	12	20	24 V DC	144 933
				36.25 - 145	15	28	24 V DC	148 227
D  3/2-way valve, servo-assisted in de-energized position port 2 pressurized	4	.28	300	14.5 - 101.5 [1]	12	20	24 V DC	150 334
				36.25 - 101.5	12	20	24 V DC	144 934
				36.25 - 145	15	28	24 V DC	152 139
H  5/2-way valve, servo-assisted in de-energised position port 1 connected to port 2, port 4 exhausted	4	.28	300	14.5 - 101.5 [1]	15	20	24 V DC	150 335
				36.25 - 101.5	15	20	24 V DC	144 935
				36.25 - 145	20	28	24 V DC	150 610
C  2 x 3/2-way valve, servo-assisted in de-energized position port 2/4 to atmosphere	4	.28	300	14.5 - 101.5 [1]	12	20	24 V DC	170 269 [2]
				36.25 - 101.5	12	20	24 V DC	170 268 [2]

[1] Version with auxiliary air.
[2] Version with integrated reduction of power consumption

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11 mm width per station: Multi-way solenoid valve Types 0460

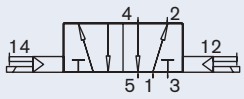
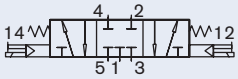
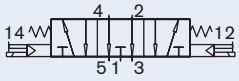


The solenoid valve Type 0460 consists of a pneumatic valve body fitted with a double coil pilot valve. The principle allows switching of high pressures together with low power consumption and fast response times.
All valves are equipped with manual override as a standard.

Technical data	
Body material	Aluminium
Seal material	NBR
Media	Lubricated and non-lubricated dry air, neutral gases (5 µm-filter recommended)
Port connection	Flange
Pneumatic module	MP11
Supply port 1 (P), 3 (R), 5 (S)	G 1/4 NPT 1/4 Push-in connection Ø 10 mm
Service port 2 (A), 4 (B)	Push-in connection Ø 6 mm Push-in connection Ø 1/4" Push-in connection Ø 4 mm = ø 5/32" M5 M7
Voltage	24 V DC
Electrical connection on valve	Rectangular plug
Manual override	Standard

Flow rate: QNn-value air l/min]	Measured at 68°F (+20°C), 87 PSI pressure at valve inlet and 14.5 PSI pressure difference
Pressure ranges [PSI]	Measured as overpressure to the atmospheric pressure
Response times [ms]	Measured according to ISO 12238

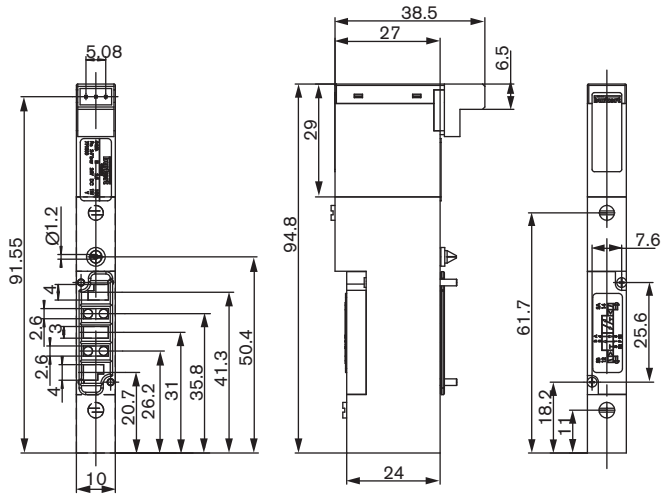
Ordering chart valves

Circuit function	Orifice [mm]	C_v	Q_{Nn}-value air [l/min]	Pressure range [PSI]	Nominal power [W]	Response times Opening [ms]	Response times Closing [ms]	Item no.
H  5/2-way valve, servo-assisted impulse version	2.5	.18	200	29 - 101.5	1	15	15	154 183
L  5/3-way valve, servo-assisted in middle position all ports blocked	2.5	.18	200	29 - 101.5	1	15	20	154 184
N  5/3-way valve, servo-assisted in middle position port 2 and 4 exhausted	2.5	.18	200	29 - 101.5	1	15	20	154 185

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Dimensions [mm]

5/2 way impulse and 5/3 way version, circuit function H impulse, L and N



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16.5mm width per station: Multi-way for solenoid valve Types 6526 and 6527

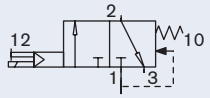
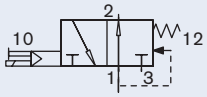
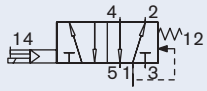


The solenoid valve Types 6526 and 6527 consist of a pneumatic valve body fitted with Type 6106 rocker pilot valve. The rocker principle allows switching of high pressure at low power consumption and fast response times. The pilot valves are equipped with manual override as a standard.

Specification	
Body material	PA (polyamide)
Seal material	NBR
Media	Lubricated and non-lubricated dry air, neutral gases (10 µm filter)
Port connection	Flange for MP12
Manual override	Standard
Voltage	24 V DC
Nominal power	2 W, 1W
Duty cycle	Continuous operation (100% ED)
Elec. Connection on valve	Tag connector acc. to DIN EN 175301-803 (previously DIN 43650) Form C
Mounting	With 2 screws M3x30
Installation position	As required, preferably with pilot valve upright

Flow rate: QNn value air [l/min]	Measured at 68°F (+20°C), 87 PSI pressure at valve inlet and 14.5 PSI pressure difference
Pressure ranges [PSI]	Measured as overpressure to the atmospheric pressure
Response times [ms]	Measured acc. to ISO 12238

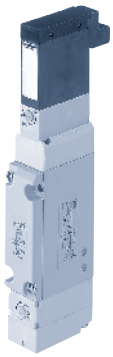
Order chart for valves

Circuit functions	Orifice [mm]	C_v	Q_{Nn}-value air [l/min]	Pressure range [PSI]	Nominal power [W]	Response times Opening [ms]	Response times Closing [ms][3]	Voltage/ Frequency [V/Hz]	Item no.
C  3/2-way valve, servo-assisted in de-energized position port 2 to atmosphere	6	.64	700	14.5 - 145[1]	2	20	12	24 V DC	156 842
				14.5 - 145[1]	2	20	12	24 V DC	163 028[2]
				29 - 145	2	20	12	24 V DC	156 318
				29 - 145	2	20	12	24 V DC	158 944[2]
				29 - 116	1	20	17	24 V DC	156 840
				29 - 116	1	20	12	24 V DC	158 947[2]
D  3/2-way valve, servo-assisted in de-energized position port 2 pressurized	6	.64	700	14.5 - 145[1]	2	12	20	24 V DC	157 672
				14.5 - 145[1]	2	20	12	24 V DC	163 029[2]
				29 - 145	2	12	20	24 V DC	156 320
				29 - 145	2	20	12	24 V DC	158 946[2]
				29 - 116	1	17	20	24 V DC	156 841
				29 - 116	1	20	12	24 V DC	158 948[2]
H  5/2-way valve, servo-assisted in de-energized position port 1 connected to port 2, port 4 exhausted	6	.64	700	14.5 - 145[1]	2	20	12	24 V DC	156 828
				14.5 - 145[1]	2	20	12	24 V DC	163 030[2]
				29 - 145	2	20	12	24 V DC	156 337
				29 - 145	2	20	12	24 V DC	158 942[2]
				29 - 116	1	20	17	24 V DC	156 827
				29 - 116	1	20	12	24 V DC	158 943[2]

[1] version with auxiliary air
[2] electric connection with manual override.
[3] closing time approx. 5 ms higher when used together with valve unit

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16.5 mm width per station: Multi-way solenoid valve Type 0461

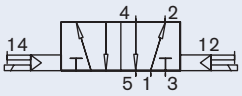
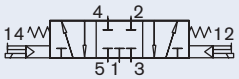
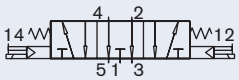


The solenoid valve Type 0461 consists of a pneumatic valve body fitted with a double coil pilot valve. The principle allows switching of high pressures together with low power consumption and fast response times. All valves are equipped with manual override as a standard.

Technical data	
Body material	Aluminium
Seal material	NBR
Media	Lubricated and non-lubricated dry air, neutral gases (10 µm-filter recommended)
Port connection	Flange
Pneumatic module	MP12
Supply port 1 (P), 3 (R), 5 (S)	G 3/8 NPT 3/8
Service port 2 (A), 4 (B)	G 1/8 NPT 1/8 Push-in connection Ø 8 mm
Operating voltage	24 V DC
Electrical connection on valve	Rectangular plug
Manual override	Standard

Flow rate: QNn-value air l/min]	Measured at 68°F (+20°C), 87 PSI pressure at valve inlet and 14.5 PSI pressure difference
Pressure ranges [PSI]	Measured as overpressure to the atmospheric pressure
Response times [ms]	Measured according to ISO 12238

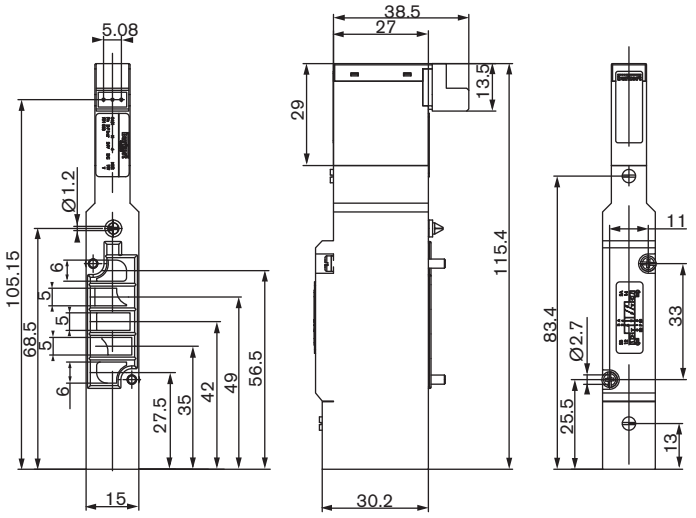
Ordering chart valves

Circuit function	Orifice [mm]	C_v	Q_{Nn}-value air [l/min]	Pressure range [PSI]	Nominal power [W]	Response times Opening [ms]	Response times Closing [ms]	Item no.
H  5/2-way valve, servo-assisted impulse version	6	.46	500	36.25 - 101.5	1	20	30	156 766
L  5/3-way valve, servo-assisted in middle position all ports blocked	6	.46	500	36.25 - 101.5	1	15	50	156 767
N  5/3-way valve, servo-assisted in middle position port 2 and 4 exhausted	6	.46	500	36.25 - 101.5	1	15	50	156 768

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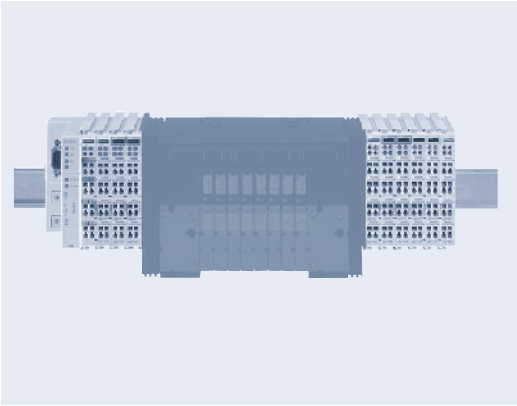
Dimensions [mm]

5/2 way impulse and 5/3 way version, circuit function H impulse, L and N



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Electronic modules series 750 WAGO



Technical Data	
Voltage supply	24 V/DC (+20%/-15%)
Internal current	500 mA at 24 V
Insulation	500 V system/supply
Power contacts, current	10 A DC max.
Rating	IP20
Temperatures Operating Storage	 32°F up to 131°F (0°C up to +55°C) -4°F up to 140°F (-20°C up to +60°C)
Relative humidity	95% max, not condensating
Configuration of fieldbus module	Via PC or PLC device
Current consumption (fieldbus modules)	 350 mA (internal)
Wire connection	CAGE CLAMP® AWG 28-14 (0.08 mm²–2.5 mm²)
Vibration resistivity	Acc. to IEC 60068-2-6
Shock resistivity	Acc. to IEC 60068-2-27
Certifications UL	 E175199
Dimensions Fieldbus modules I/O modules	W x H x L 51 x 65 x 100 mm 12 x 64 x 100 mm

Fieldbus modules (others on request)

Profibus DP/FMS – EN 51070; 12 MBaud; digital and analog signals

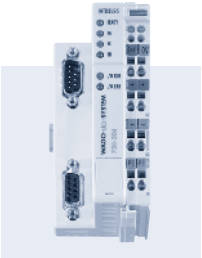


Max. no. of nodes	96 with repeater
Max. no. I/O points	Approx. 6000 (depends on Master)
Transmission medium	Cu cable acc. to EN 50170
Max. length of bus line	100 m –1200 m (depends on Baud rate on the cable)
Baud rate	9.6 kBaud – 12 MBaud
Transmission time typ.	Approx. 1.0 ms (10 nodes; 32 Is, 32 Os per node; with 12 MBaud and digital signals)
Fieldbus module connection	1 x D-SUB 9; plug with shielding
Max. I/O modules per node	64
Digital points per node	256 Is or Os
Analog points per node	64 Is or Os
Current supply	105 mA typ. 900 mA max.
Factory preset	DP/FMS dual operation 32 analogue points per node max. (inputs and outputs)

This fieldbus module allows connection of the AirLINE System as a slave to a PROFIBUS fieldbus.

The fieldbus module is capable of supporting all bus modules and automatically creates the local process image which may include analog and digital modules.

InterBus – EN 50254; digital and analog signals



Max. no. of nodes	256
Max. no. I/O points	4096 (depends on Master)
Transmission medium	Certified Cu cable
Max. distance between nodes	400 m
Baud rate	500 kBaud
Transmission time typ.	1.43 ms (10 nodes; 32 Is, 32 Osper node)
Fieldbus module connection	2 x D-SUB 9; plug with shielding
Max. I/O modules per node	64
Digital points per node	256 Is or Os max.
Analog points per node	32 Is or Os max.
Current supply	105 mA typ. 900 mA max.

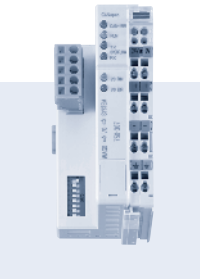
This fieldbus module allows connection of the AirLINE System as a slave to an INTERBUS fieldbus.

The fieldbus module is capable of supporting all bus modules and automatically creates the local process image which may include analog and digital modules.

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Electronic modules series 750 WAGO

CANopen – 10 kBaud-1 MBaud; digital and analog signals



Max. no. of PDOs	5 Tx/5 Rx
No. of available SDOs	1 Tx/1 Rx
Transmission medium	Shielded Cu cable 3 x 0.25 mm2/AWG 23
Max. length of bus line	40 m - 1000 m depends on Baud rate on the bus cable
Baud rate	10 kBaud - 1 MBaud
Fieldbus module connection	5-pin multi connector series 231
Max. I/O modules per node	64
Digital points per node	256 Is or Os max.
Analog points per node	64 Is or Os max.
Current supply	85 mA typ. 580 mA max.

This fieldbus module allows connection of the AirLINE System as a slave to a CANopen fieldbus. The data is sent using PDOs and SDOs. The fieldbus module is capable of supporting all bus modules and automatically creates the local process image which may include analog and digital modules.

The local process image is divided into two data zones containing the data received and the data to be sent. The process data can be sent via the CANopen fieldbus to a PLC, PC or NC for further processing, and received from the field via CANopen.

DeviceNET™ – 125-500 kBaud; digital and analog signals

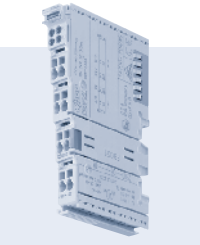


Max. no. of nodes	64 with scanner
Max. no. I/O points	Approx. 6000 (depends on Master)
Transmission medium	Shielded Cu cable
Trunkline	AWG15, 18 (2 x 0.82 mm2 + 2 x 1.7 mm²)
Dropline	AWG22, 24 (2 x 0.2 mm2+ 2 x 0.32 mm²)
Max. length of bus line	100 m – 500 m (depends on Baud rate on the bus cable)
Baud rate	125 kBaud , 250 kBaud, 500 kBaud
Fieldbus module connection	1 x Open Style; connection with shielding
Max. I/O modules per node	64
Digital points per node	256 Is or Os max.
Analog points per node	128 Is or Os max.
Current supply	85 mA typ. 580 mA max.

This fieldbus module allows connection of the AirLINE System as a slave to a DeviceNet fieldbus. The fieldbus module is capable of supporting all bus modules and automatically creates the local process image which may include analog and digital modules.

Remote I/O modules (others on request)

Digital input module DI – 2 and 4 channel; high-side switching



No. of inputs	2 or 4
Current consumption	2.5 or 5 mA (internal)
Signal voltage (0)	-3 V up to +5 V DC
Signal voltage (1)	15 V up to 30 V DC
Input filter	3 ms
Current supply	5 mA typ. (field side)
Internal bit width	2 or 4

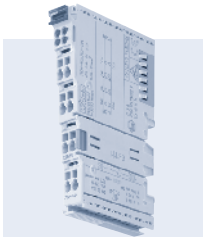
The digital input module receives control signals from digital field devices (sensors, etc.). Each input module has a noise-rejection filter. This filter is available with different time constants. An opto-coupler is used for electrical insulation between the bus and the field side.

All digital input modules are independent of the fieldbus and automatically connected to the next module when snapped onto the DIN rail.

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Electronic modules series 750 WAGO

Digital output module DO – 2 and 4 channel; short-circuit protected; high-side switching



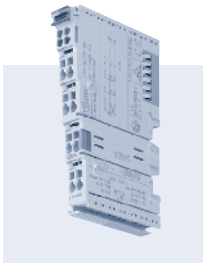
No. of outputs	2 or 4
Current consumption	7 or 15 mA
Type of load	Resistive, inductive, lamps
Output current	0.5 A; 2 A (2 channels) 0.5 A (4 channels)
Current consumption	15 mA or 30 mA + load (field side)
Internal bit width	2 or 4

The connected load is switched via the digital output from the control system.

All outputs are electronically short-circuit protected. All digital output modules operate with any of the fieldbuses.

Power connections are made automatically from module to module when snapped onto the DIN rail.

Analog input module AI – 2 and 4 channel; 4–20 mA and 0–10 V; single ended



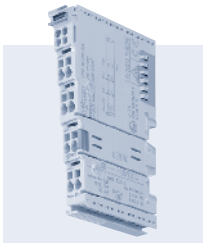
No. of inputs	2 or 4
Voltage supply	Via system voltage (DC/DC)
Current consumption	60 mA typ. (10 V versions) 75 mA (20 mA versions)
Maximum input voltage	35 V
Signal inputs	0–10 V, 4–20 mA
Internal resistance	130 or 133 k Ω (10 V versions)
Input resistance	220 or 270 k Ω (20 mA versions)
Resolution	12 bits
Conversion time	2 ms typ.
Internal bit width	2 x 16 bits data 2 x 8 bits control/status

The analog input module receives signals with the standardized values of 0–10 V, 4–20 mA. The 4–20 mA input module can also supply the voltage for 2-wire transmitter. The input signal is electrically insulated and will be transmitted with a resolution of 12 bits.

The shield (screen) is directly connected to the DIN rail.

RTD and TC inputs on request.

Analog output module AO – 2 channel; 4–20 mA and 0–10 V



No. of outputs	2
Current consumption	65 mA (internal, 10 V versions) 60 mA max. (internal, 20 mA versions)
Output signals	0–10 V, 4–20 mA
Load impedance	>5 k Ω (10 V versions) <500 Ω (20 mA versions)
Resolution	12 bits
Internal bit width	2 x 16 bits data 2 x 8 bits control/status

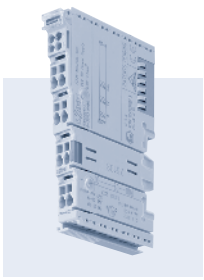
The analog output module creates a standardized signal of 0–10 V, 4–20 mA.

The output signal is electrically insulated and will be transmitted with a resolution of 12 bits.

Current analog output modules use power derived from the field side (loop powered), *Voltage* analog output modules use the internal system supply.

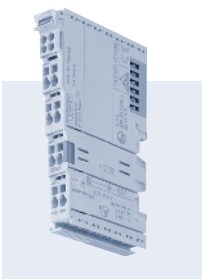
Accessory modules (others on request)

Supply module, passive 24 V DC



The supply module provides I/O module power through the power jumper contacts.
Maximum current supply to all connected modules is 10 A.
In connection with the system configuration, it is important to assure that this current is not exceeded. Should higher currents be necessary, intermediate supply modules must be added to the assembly.

End module



After the fieldbus node is assembled with the correct fieldbus module and selected I/O modules, the "end" module is snapped onto the assembly. It completes the internal data circuit and ensures correct data flow.
One is required for each fieldbus module.

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Ordering chart fieldbus modules

Item	Description	Item no.
PROFIBUS DP/FMS	EN 51070; 12 MBaud; digital and analog signals	150 716
Interbus	LN 50254; digital and analog signals	150 736
Devicenet	125-500 kBaud; digital and analog signals	150 722
CANopen	10 kBaud - 1 MBaud; digital and analog signals	150 721

Ordering chart remote I/O modules

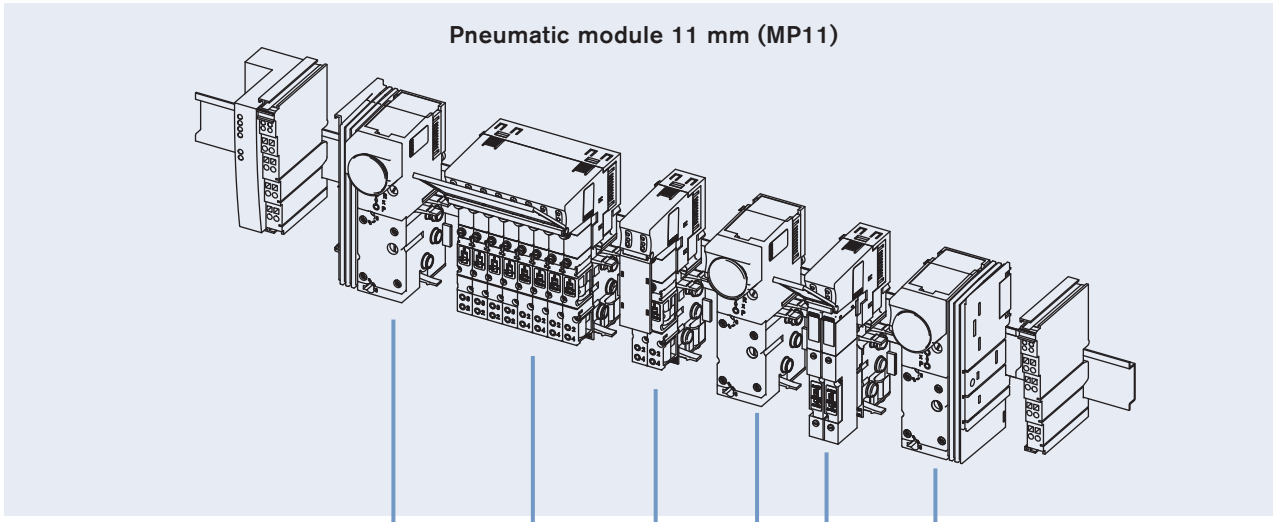
Item	Description	Item no.
DI 2 channel	2 to 4 conductor connection, high-side switching	150 729
DI 4 channel	2 conductor connection, high-side switching	150 730
DO 2 channel	0.5 A; short-circuit protected, high-side switching	150 724
DO 2 channel	2.0 A; short-circuit protected, high-side switching	150 725
DO 4 channel	0.5 A; short-circuit protected, high-side switching	150 726
AI 2 channel	0 – 10 V, single ended	150 732
AI 4 channel	0 – 10 V, single ended	150 733
AI 2 channel	4 – 20 mA, single ended	150 731
AO 2 channel	0 – 10 V	150 727
AO 2 channel	4 – 20 mA	150 728

Ordering chart accessory modules

Item	Description	Item no.
Supply module	Passive, 24 V/DC	150 737
End module	–	151 013

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Pneumatic modules and electrical interfaces for modules series 750 WAGO



Connector module “left”, with or without pressure gauge

Threaded port G 1/4
Threaded port NPT 1/4
Push-in 10 mm

Pneumatic basic module, electrical basic module and pilot valves

8 valves wide (8 x 11 mm)

Service port 2 (A), 4 (B)
Threaded port M5
Threaded port M7
Push-in ø 4 mm and 5/32“
Push-in ø 6 mm
Push-in ø 1/4“

2 valves wide (2 x 11 mm)

Service port 2 (A), 4 (B)
Threaded port M5
Threaded port M7
Push-in ø 4 mm and 5/32“
Push-in ø 6 mm
Push-in ø 1/4“

Connector module “right”, With or without pressure gauge

Threaded port G 1/4
Threaded port NPT 1/4
Push-in 10 mm

Pneumatic basic module, electrical basic module and pilot valves

2 valves wide (2 x 11 mm)

Service port 2 (A), 4 (B)
Threaded port M5
Threaded port M7
Push-in ø 4 mm and 5/32“
Push-in ø 6 mm
Push-in ø 1/4“

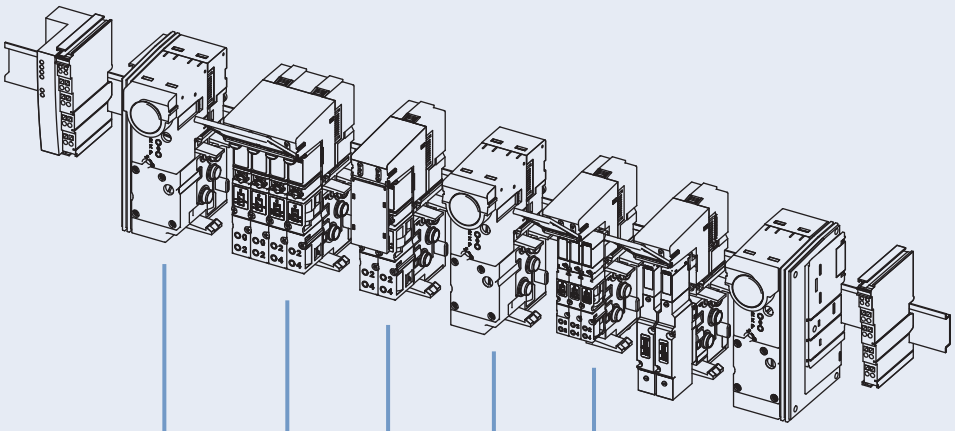
Intermediate supply module, with or without pressure gauge

Threaded port G 1/4
Threaded port NPT 1/4
Push-in 10 mm

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Pneumatic modules and electrical interfaces for modules series 750 WAGO

Pneumatic module 16.5 mm (MP12)



Connector module “left”,
with or without pressure gauge /
digital pressure module

Threaded port G 3/8
Threaded port NPT 3/8

Pneumatic basic module, electrical
basic module and pilot valves

4 valves wide (4 x 16.5 mm)

Service port 2 (A), 4 (B)
Threaded port G1/8
Threaded port NPT1/8
Push-in ø 8 mm and ø 5/16”

2 valves wide (2 x 16.5 mm)

Service port 2 (A), 4 (B)
Threaded port G1/8
Threaded port NPT1/8
Push-in ø 8 mm and ø 5/16”

Connector module “right”,
With or without pressure gauge

Threaded port G 3/8
Threaded port NPT 3/8

Pneumatic basic module, electrical
Basic module and pilot valves

3 valves wide (3 x 11 mm)

Service port 2 (A), 4 (B)
Threaded port M5
Threaded port M7
Push-in ø 6 mm

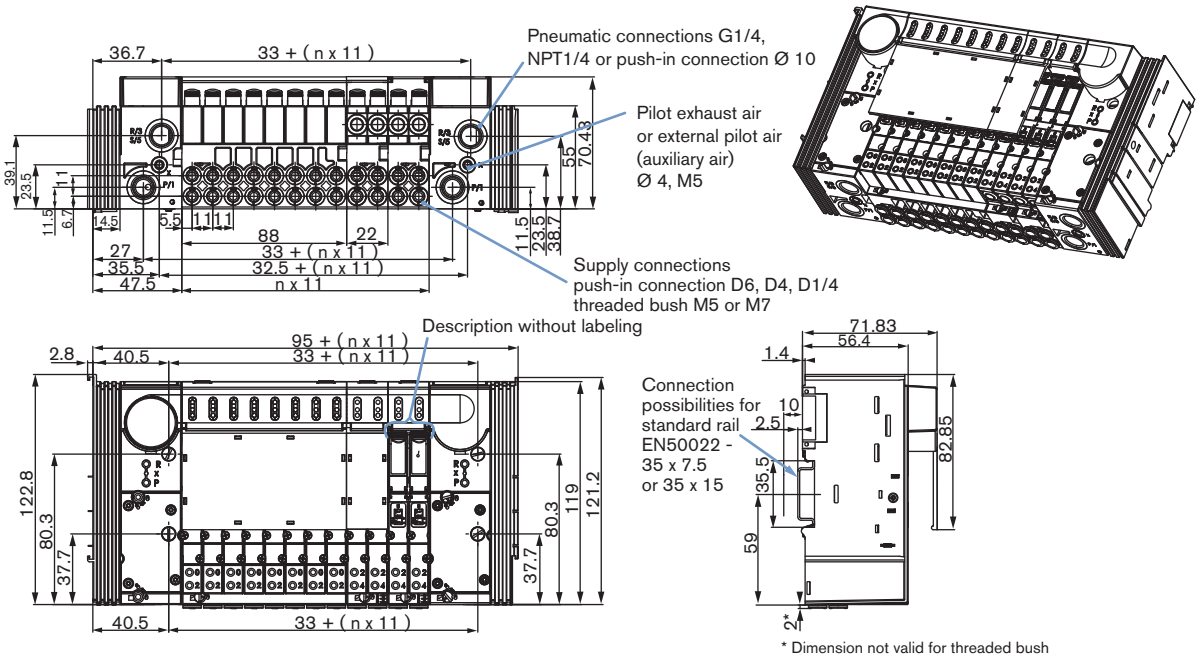
Intermediate supply module,
With or without pressure gauge

Threaded port G 3/8
Threaded port NPT 3/8

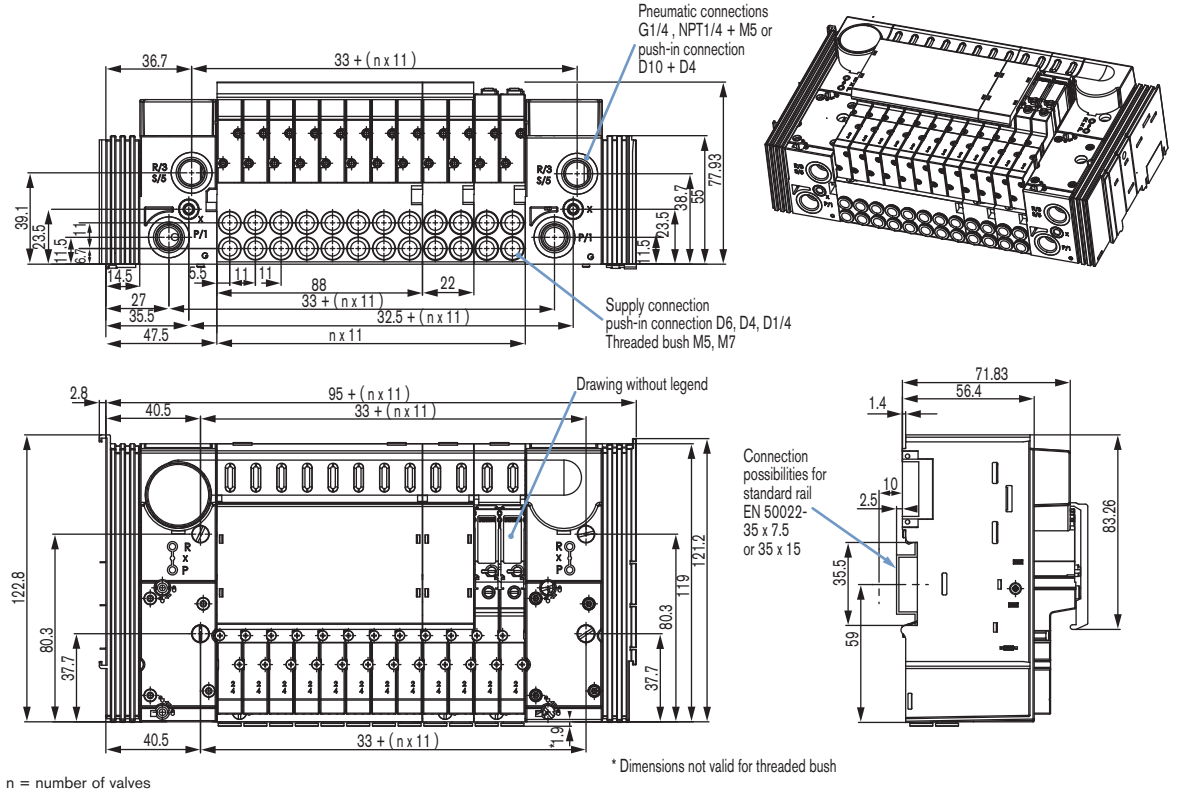
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Dimensions [mm]

11 mm mounting dimensions for Type 6524 / 6525

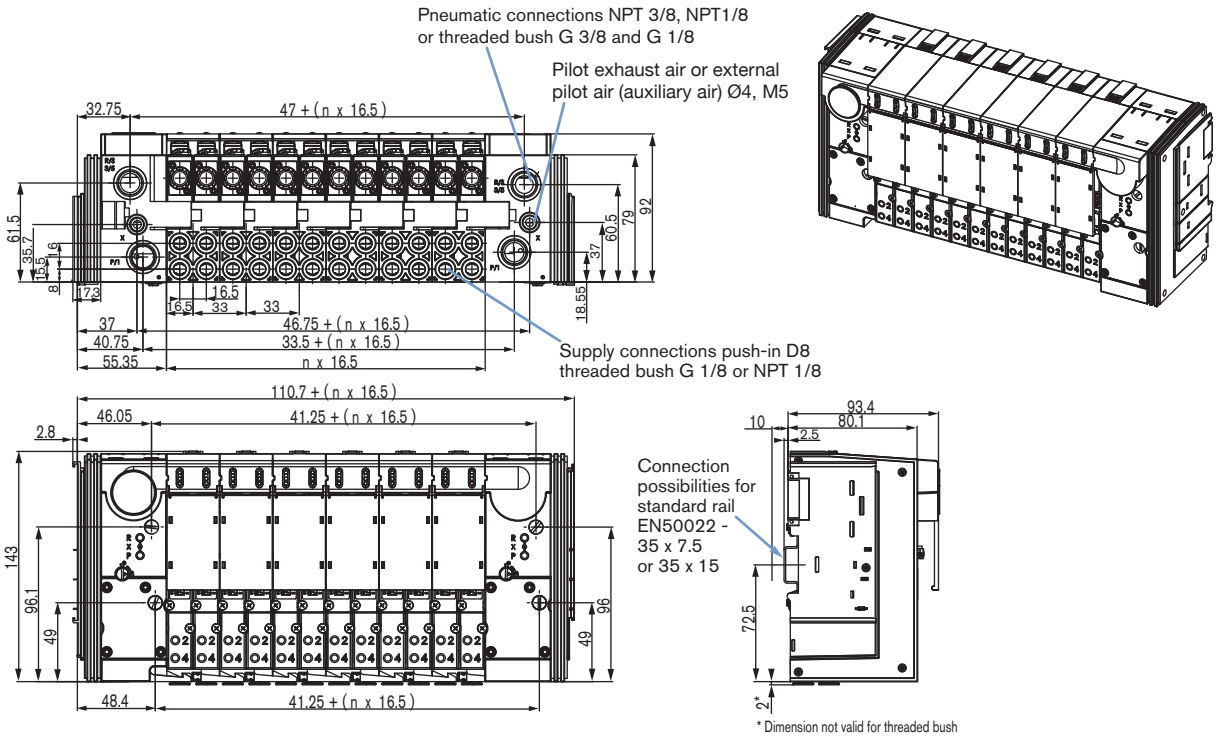


11 mm mounting dimensions for Type 6524 2 x 3/2-way valve



Dimensions [mm]

16.5 mm mounting dimensions for Type 6526 / 6527



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In case of special application conditions,
please consult for advice.

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