

Type 6518/6519 can be combined with...



Cable plug

Timer unit

The Type 6518 is a servo-assisted 3/2-way value and the Type 6519 is a 5/2 or 5/3-way valve. Together, they form a product line. The valves can be used individually or in blocks.

The valves work without a continuous air consumption and are used for the pneumatic control of double or single-acting actuators. A solenoid valve Type 6014 is used as a pilot.

The use of high quality materials makes it possible to use these valves in the open air and under chemical atmospheres. The product line contains units with Ex-Approvals and NAMUR flange interface.

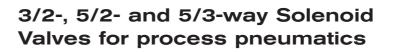
Valves with circuit function C, D and H monostable are certified acc. IEC 61508 as SIL2.

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#### **Further versions on request**

#### Approvals FM-Ex

EC Gas Appliances Directive



- High flow-rate capacity
- Reduced power consumption
- Single or manifold mounting
- Standard-, EEx m and EEx i versions
- Threaded port G 1/4" or NAMUR flange



Type 2511/12

ASI cable plug



Type 8600

Dosing control





FLUID CONTROL SYSTEMS

Type 2012 Single-seat globe valve



Type 2030 Diaphragm valve

General technical data	
<b>Orifice</b> Type 6518 Type 6519	DN 8 DN 6, 8 and 9
<b>Body material</b> Type 6518 Type 6519	Polyamide, reinforced Polyamide (5/2-way), aluminium (5/3-way)
Thread insert material	Brass or stainless steel
<b>Seal material</b> Type 6518 Type 6519	NBR and PUR NBR, NBR and PUR
<b>Pneumatic connection</b> Supply ports 1,3,5 Service ports 2 and 4	Threaded port G1/4, can also be flanged Threaded port G1/4 or NAMUR flange
Electrical connection	Tag connectors acc. to DIN EN 175301-803 (previously DIN 43650) Form A
Operating voltage	24 V DC 24/110/230 V, 50-60 Hz
Voltage tolerance	±10%
Media	Lubricated or non-lubricated compressed air, neutral gases. Technical vacuum on request
Media temperature	-10 to +50°C
Ambient temperature Standard version EEx m version EEx i version	-25 to +55° C -25 to +50° C -25 to +55° C
Ambient conditions	Open air, chemical atmosphere
Protection class	IP 65 with cable plug
Installation	As required, preferably with actuator upright



#### 6518/6519



Type 6518/6519 standard (with tag connector acc. to DIN EN 175301-803 Form A, without cable plug)



Type 6518 and the Type 6519 together form a product line. Both types can be mounted on a pneumatic module. The valve width of 32 mm allows high flow rates. A solenoid valve Type 6014 is used as a pilot. The valves can be used individually or in blocks.

Power consumption				
Inrush Hold (hot coil)				
AC [VA]	AC [VA/W	/]	DC [W]	
11	6/2		2	
Response times <sup>1)</sup>				
Opening		2	0 [ms]	
Closing		40 [ms]		

Technical data	
Orifice	DN 8.0 and 9.0
Body materials	
Type 6518	
Pilot valve and main	Polyamide, reinforced
valve Type 6519	
Pilot valve	Polyamide
Main valve	5/2-way; polyamide, 5/3-way; aluminium
Thread insert material	Brass (stainless steel on request)
Seal materials	NBR, NBR and PUR
Pneumatic connection	
Supply ports 1,3,5	Threaded port G 1/4, can also be flanged
Service ports 2 and 4	Threaded port G 1/4 (on request NPT 1/4)
Electrical connection	Tag connector acc. to DIN EN 175301-803 Form A
	(previously DIN 43650)
Protection class	IP65 with cable plug
Operating voltage	24 V/DC, 24/110/230 V, 50-60 Hz
Voltage tolerance	±10%
Power consumption coil	2 W (100% continuous rating)
Ambient temperature	-25 to +55°C
Media	Lubricated or non-lubricated compressed air, neutral gases
on request	Technical vacuum
Environmental	Open air, chemical atmosphere
conditions	

<sup>1)</sup> Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238.

Opening: Pressure rise 0 to 90% Closing: Pressure drop 100 to 10%

#### Ordering chart valves with manual override (without manual override on request)

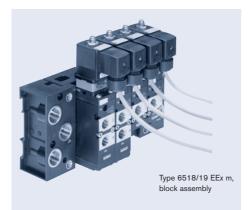
Type 6518 standard – thread insert material brass, threaded port 1 and 3 can also be flanged; without cable plug (see Accessories p. 10)C28.0NBR and PUR (polyamide)G 1/413002-83702024/DC1323/2-way valve, servo-assisted, in de-energized position port 2 exhausted8.0NBR and PUR (polyamide)G 1/413002-83702024/DC132D10128.0NBR and PUR (returned)G 1/413002-83702024/DC132D1011102-83702024/DC132024/DC132Image: Colspan="2">(returned)G 1/413002-83702024/DC132Image: Colspan="2">PUR (returned)G 1/413002-83702024/DC132					
12       10       PUR (polyamide)       024/50-60       132         3/2-way valve, servo-assisted, in de-energized position port 2 exhausted       110/50-60       132         D       2       8.0       NBR and PUR       G 1/4       1300       2-8       370       2       024/DC       132         0       10       1       1       10       2-8       370       2       024/DC       132					
$\begin{array}{c} \begin{array}{c} & & & & \\ \hline 1 & & & \\ \hline 3 & & \\ \hline 2 & & \\ \hline 0 & & \\ \hline 1 & & \\ 1 & & \\ \hline 1 & & \\ 1 & & \\ \hline 1 & & \\ 1 $					
$\frac{3/2 \text{-way valve, servo-assisted, in}}{\text{de-energized position port 2 exhausted}} \xrightarrow{110/50-60} \frac{132}{230/50-60} \xrightarrow{122}{100} \xrightarrow{12}{100} \xrightarrow{12}{10} \xrightarrow{12}{$					
de-energized position port 2 exhausted         230/50-60         132 4           D         2         8.0         NBR and PUR         G 1/4         1300         2-8         370         2         024/DC         132 4           0         10         T         T         T         T         T         024/DC         132 4					
10 10 10 10 10 10 10 10 10 10 10 10 10 1					
3/2-way valve, servo-assisted, in de-					
energized position port 2 pressurized 230/50-60 132 4					
<b>Type 6519 standard</b> – thread insert material brass, threaded port 1, 3 and 5 can also be flanged; without cable plug (see Accessories p. 10)					
H 4 2 8.0 NBR and G 1/4 1300 2-8 450 2 024/DC 132					
12 2 12 12 12 12 12 12 12 12 12 12 12 12					
5/2-way value service assisted in de-					
port 4 exhausted 230/50-60 132 4					
L 4 2 9.0 NBR G 1/4 1300 3-10 720 2 024/DC 132					
14 14 12 (aluminium) 024/50-60 132 4					
5/2 weywelve series series assisted in middle					
5/3-way valve, servo-assisted, in middle position all ports locked 230/50-60 132 4					
N 4 2 9.0 NBR G 1/4 1300 3-10 720 2 024/DC 1324					
14 14 12 (aluminium) 024/50-60 132					
5113 110/50-60 1324					
5/3-way valve, servo-assisted, in middle position ports 2 and 4 exhausted 230/50-60 132 4					

2) Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure

Manifold assembly see page 8

Accessories see page 10

Type 6518/6519 EEx m (with moulded cable, 3 m long, terminal box on request)



The approval EEx m is achieved by the mounting of an approved push-over coil. The cable connection and the cable are non-detachable and sealed together with the valve. The valves can be used individually or in blocks.

Response times <sup>1)</sup>	
Opening	20 [ms]
Closing	50 [ms]

<sup>1)</sup> Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. Opening: Pressure rise 0 to 90%,

Closing: Pressure drop 100 to 10%

Technical data	
Orifice	DN 8.0 and 9.0
Body materials	
Type 6518	
Pilot valve and main	Polyamide, reinforced
valve Type 6519	
Pilot valve	Polyamide
Main valve	5/2-way; polyamide, 5/3-way; aluminium
Thread insert material	Brass (stainless steel on request)
Seal materials	NBR, NBR and PUR
Pneumatic connection	
Supply ports 1,3,5	Threaded port G 1/4, can also be flanged
Service ports 2 and 4	Threaded port G 1/4 (on request NPT 1/4)
Electrical connection	Moulded cable, 3 m (non-detachable),
	Terminal box on request
Protection class	IP65
Approval	II 2G EEx m II T 5 PTB 00 ATEX 2129X
	II 2DIP 65T 100°C
Operating voltage	24/110/230 V/UC
Voltage tolerance	±10%
Power consumption coil	3 W (100% continuous rating)
Ambient temperature	-25 to +50°C
Media	Lubricated or non-lubricated compressed air, neutral gases
on request	technical vacuum
<b>Environmental conditions</b>	Open air, chemical atmosphere
For use in zone	1, 2, 21 and 22

## Ordering chart valves with manual override (without manual override on request)

Circuit function	Orifice [mm]	Seal material body	Port connection threaded port	Q <sub>Nn</sub> value air <sup>1)</sup> [I/ min]	Pressure range <sup>2)</sup> [bar]	Weight [g]	Nominal power [W]	Voltage/ frequency [V/Hz]	ltem no.
Type 6518 EEx m - thread insert mate	rial bras	ss, threaded p	ort 1 and 3 c	an also be t	flanged; wi	th moulde	d cable, 3	m long <sup>3)</sup>	
	8.0	NBR	G 1/4	1300	2-8	600	3	024/UC	134 716
		and						110/UC	134 717
$\frac{1}{1}$		PUR (nalvarrida)						230/UC	134 718
3/2-way valve, servo-assisted, in de-energized position port 2 exhausted		(polyamide)							
	8.0	NBR	G 1/4	1300	2-8	600	3	024/UC	134 719
	0.0	and	G 1/4	1000	20	000	0	110/UC	134 720
		PUR						230/UC	134 720
3/2-way valve, servo-assisted, in de-		(polyamide)						230/00	134 721
energized position port 2 pressurized									
Type 6519 EEx m - thread insert mate	rial bras	ss, threaded p	ort 1, 3 and 5	5 can also b	e flanged;	with moul	ded cable,	3 m long 4)	
H 4 2	8.0	NBR	G 1/4	1300	2-8	700	3	024/UC	134 722
		and						110/UC	134 723
5 3		PUR						230/UC	134 724
5/2-way valve, servo-assisted, in de- energized position port 2 pressurized,		(polyamide)							
port 4 exhausted									
L 4   2	9.0	NBR	G 1/4	1300	3-10	1,100	3	024/UC	134 725
	0.0	(aluminium)	<b>G</b>		0.0	.,	Ū	110/UC	134 726
5 3								230/UC	134 727
5/3-way valve, servo-assisted, in middle								200/00	104 727
position all ports locked									
	9.0	NBR	G 1/4	1300	3-10	1,100	3	024/UC	134 728
		(aluminium)						110/UC	134 729
5/3-way valve, servo-assisted, in middle								230/UC	134 730
position ports 2 and 4 exhausted									
poolinen porto 2 and 1 oxinadotod									

1) Flow rate: QNn value air [I/min]: Measured at +20°C, 6 bar pressure at valve inlet, 1 bar pressure difference 2) Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure 3) Versions with terminal box on request 4) Circuit function H (5/2-way) as impulse version on request

Manifold assembly see page 8

Accessories see page 10



#### 6518/6519



## Type 6518/6519 EEx i (with tag connector acc. to DIN EN 175301-803 Form A, without cable plug)

Technical data

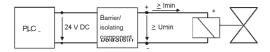


The intrinsically-safe Type 6518 EEx i and 6519 EEx i valves consist of an intrinsically-safe pilot control and a pneumatic amplifier. The diaphragm-controlled valve seats work with very low friction, ensuring reliable switching of the valve, even after long shutdown periods.

Opening 75 [ms] Closing 115 [ms]	Response times <sup>1)</sup>	

#### Note

These units may only be used in explosive atmospheres in the manner approved by the Federal Institute of Physics and Technology (PTB), i.e., the permissible maximum electrical values must be complied with. Suitable barriers and isolating modules are available for this.



The valve is intended for operation on 24 VDC outputs via the intermediate switching of a corresponding intrinsically-safe operating resource (isolating module or barrier).

If required, request the "Recommended Barrier and Isolating Module" data sheet.

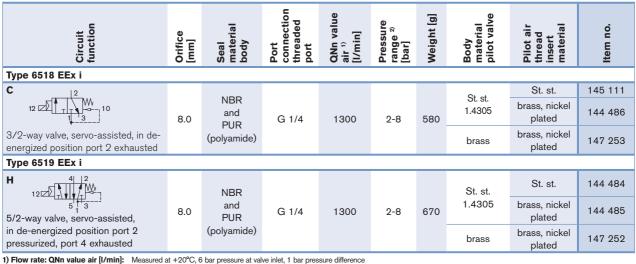
Technical data	
Orifice	DN 8.0
<b>Body materials</b> Pilot valve Main valve	Stainless steel 1.4305 or brass Polyamide, glass-fibre reinforced
Thread insert material	Stainless steel or brass, nickel-plated
Seal materials	FPM, NBR and PUR
Pneumatic connection Supply ports 1,3,5 Service ports 2 and 4 Electrical connection	Threaded port G 1/4 Threaded port G 1/4 Tag connector acc. to DIN EN 175301-803 Form A (previously DIN 43650) for cable plug Type 2508 (see Accessories). Ensure correct polarity!
Protection class	IP65 with cable plug
Ambient temperature	-25 to +55°C
Media	Lubricated or non-lubricated compressed air, instrument air, nitrogen
Environmental conditions	Open air, chemical atmosphere
For use in zone	1, 2, 21 and 22

<sup>1)</sup> Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. Opening: Pressure rise 0 to 90%, Closing: Pressure drop 100 to 10%

Electrical data - Coil AC10 EEx i				
Approval	II 2G EEx ia IIC T6 PTB 01 ATEX 2101 II 2D Ex ia D21 T 80°C			
Functional values for the valve switching function <sup>1)</sup>	at +20°C	at +55°C		
Minimum switching current Nominal resistance of the coil Minimum terminal voltage	29 mA 310 Ω 9.0 V	29 mA 360 Ω 10.4 V		
Permissible maximum values acc. to certificate of conformity				
Ui li Pi	35 V 0.9 A 1.1 W			

#### <sup>1)</sup> With high-impedance coil on request

## Ordering chart valves without manual override (with manual override and high-impedance coil on request)



2) Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure

Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pr

Manifold assembly see page 8





Type 6519 NAMUR standard (with tag connector acc. to DIN EN 175301-803 Form A, without cable plug)



The valve bodies of Type 6519 NAMUR are identical with the EEx m variants. The difference is in the coils, which are laid out and approved in different ways. By changing the coil on the valve body, it is possible to easily convert from Non-Ex operation to Ex operation (or vice versa). The coils are designed to be push-over and can be locked in 4 x 90° displaced positions and be positioned any where in-between.

Technica	I data			
Orifice		DN 6.0		
Body mat	terials			
Pilot valve	and main valve	Polyamide (PA)		
Thread in	sert material	Brass, nickel-plated or stainles	ss steel	
Seal mate	erial	NBR and PUR		
Supply p	ic connection orts 1,3,5 ports 2 and 4	Threaded port G 1/4 NAMUR flange		
Electrical	connection	Tag connector acc. to DIN EN 175301-803 Form A (previously DIN 43650)		
Protectio	n class	IP65 with cable plug		
Operating	g voltage	24/110/230 V/UC (direct or universal current)		
Voltage to	olerance	±10%		
Duty cycl	e	100 % continuous rating		
Ambient	temperature	-25 to +55°C		
Media		Compressed air, nitrogen, instrument air		
Environm	ental conditions	Slightly aggressive, also open air		
Power con	nsumption	Response times <sup>1)</sup>		
Inrush H	lold (hot coil)	Opening Closing	20 [ms] 40 [ms]	

Inrush	Hold (hot coil)					
AC [VA]	AC [VA/W] DC [W]					
11	6/2	2				

<sup>1)</sup> Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. Opening: Pressure rise 0 to 90% Closing: Pressure drop 100 to 10%

## Ordering chart valves with manual override (without manual override on request)

Circuit function	Orifice [mm]	Seal material body	Thread insert material <sup>1)</sup>	Port connection threaded port	Q <sub>vn</sub> value air <sup>2)</sup> [I/min]	Pressure range <sup>3)</sup> [bar]	Weight [g]	Power consumption [W]	Voltage/ frequency [V/Hz]	Item no.			
		NBR							024/DC	131 425			
12 <u>////√117↓</u> 315 ∳	6.0	and	stainless	G 1/4	900	2-8	460	0	024/50-60	131 426			
3/2-way valve with exhaust recycling,	6.0	PUR	PUR	steel	G 1/4	900	2-0	460	2	110/50-60	131 427		
in de-energized position port 2 fed back internally									230/50-60	131 428			
									024/DC	131 421			
					NBR and	brass,						024/50-60	131 422
5/2-way valve, servo-assisted, in de-	6.0	PUR	nickel- plated		900	2-8	8 460	2	110/50-60	131 423			
energized position pressure port 1 con- nected to port 2, output 4 exhausted									230/50-60	131 424			

1) If the connectors are from stainless steel, the mounting screws will also be from stainless steel 2) Flow rate: QNn value air [I/min]: Measured at +20°C, 6 bar pressure at valve inlet, 1 bar pressure difference

3) Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure

All valves can be operated in circuit function C as well as in circuit function H. By replacing the adapter plate that comes with the valves, the change between the two circuit functions can be set up.

Manifold assembly see page 8

Accessories see page 10





## Type 6519 NAMUR EEx m (with moulded cable) or EEx me (with terminal box)



Type 6519 NAMUR EEx m NAMUR valve for process plants switches reliably, even when fully restricted. The valve made out of premium polyamide can be operated either as a 5/2 or a 3/2-way version through different mounting plates. The solenoid valve Type 6014 with a coil approved for use in hazardous areas is connected as a pilot. The NAMUR flange interface allows easy assembly on different pneumatic actuators on the spot.

The valve bodies are identical with the Type 6519 NAMUR standard version. The difference between the valves is in the coils, which are laid out and approved in different ways. By changing the coil on the valve body, it is possible to easily convert from Non-Ex operation to Ex operation (or vice versa). Both coil versions (with moulded cable or with terminal box) are designed to be push-over and can be locked in 4 x 90° displaced positions and be positioned any where in-between.

Technical data					
Orifice	DN 6.0				
Body materials					
Pilot valve and main valve	Polyamide (PA)				
Thread insert material	Brass, nickel-plated or stainless steel				
Seal material	NBR and PUR				
<b>Pneumatic connection</b> Supply ports 1,3,5 Service ports 2 and 4	Threaded port G 1/4 NAMUR flange				
Electrical connection	Tag connector acc. to DIN EN 175301-803 Form A (previously DIN 43650)				
Protection class	IP65 with cable plug				
Approval	Ⅱ 2G EEx m Ⅱ T 5 PTB 00 ATEX 2129X Ⅱ 2DIP 65T 100°C				
Operating voltage	24/110/230 V/UC (direct or universal current)				
Voltage tolerance	±10%				
Duty cycle	100% continuous rating				
Ambient temperature	-25 to +55°C				
Media	Lubricated or non-lubricated compressed air, nitrogen, instrument air				
Environmental	Slightly aggressive, also open air				
conditions					
Despense times 1)					
Response times <sup>1)</sup>					
Opening Closing	20 [ms] 40 [ms]				
v					

<sup>1)</sup> Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. *Opening:* Pressure rise 0 to 90%,

Closing: Pressure drop 100 to 10%

## Ordering chart valves with manual override (without manual override on request)

Circuit function	Orifice [mm]	Seal material body	Thread insert material <sup>1)</sup>	Port connection threaded port	QNn value air <sup>2)</sup> [I/min]	Pressure range <sup>3)</sup> [bar]	Weight [g]	Power consumption [W]	Voltage/ frequency [V/Hz]	Item no.
Version acc. to EEx m, with 3 m lo	ng mo	ulded ca	ble							
		NBR	stainless steel	G 1/4	900	2-8	650	3	024/UC 110/UC 230/UC	131 631 131 632 131 633
3/2-way valve, with exhaust air return, in de-energized position port 2 exhausted internally	6.0	and PUR	brass, nickel- plated	G 1/4	900	2-8	650	3	024/UC 110/UC 230/UC	131 627 131 628 131 629
Version acc. to EEx me, with termi	inal bo	ox withou	ıt fuse (see	Accessori	es p. 10)					
		NBR	stainless steel	G 1/4	900	2-8	690	3	024/UC 110/UC 230/UC	139 067 139 068 139 069
5/2-way valve, servo-assisted, in de-energized position pressure port 1 connected to port 2, port 4 exhausted	6.0		brass, nickel- plated	G 1/4	900	2-8	690	3	024/UC 110/UC 230/UC	427 978 139 065 139 066

2) Flow rate: QNn value air [I/min]: Measured at +20°C, 6 bar pressure at valve inlet, 1 bar pressure difference

3) Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure.

All valves can be operated in circuit function C as well as in circuit function H. By replacing the adapter plate that comes with the valves, the change between the two circuit functions can be set up.

Manifold assembly see page 8

Accessories see page 10



Type 6519 NAMUR EEx i (with tag connector acc. to DIN EN 175301-803 Form A, without cable plug)



The Type 6519 NAMUR EEx i valve is used for the pneumatic control of double or single-acting actuators with a NAMUR adapter plate flange. The circuit function can easily be changed using an adapter plate. In the 3/2-way function, feedback of the exhaust air takes place in the spring area of the armature drive. The diaphragm-controlled valve seats work with very low friction, ensuring reliable switching of the valve even after long shutdown periods and at ambient temperatures below 0 °C. The valves work without a continuous air consumption.

#### Note

The units may only be used in explosive atmospheres in the manner approved by the Federal Institute of Physics and Technology (PTB), i.e., the permissible maximum electrical values must be complied with. Suitable barriers and isolating modules are available for this.



The valve is intended for operation on 24 VDC outputs via the intermediate switching of a corresponding intrinsicallysafe operating resource (isolating module or barrier). If required, request the "Recommended Barrier and Isolating Module" data sheet.

Technical data						
Orifice		DN 6.0				
Body materials						
Pilot valve		Stainless steel 1.4305 or brass				
Main valve		Polyamide, glass-fibre reinforced				
Thread insert mate	erial	Stainless steel or brass, nickel-plated				
Seal materials		FPM, NBR and PUR				
<b>Pneumatic connection</b> Supply ports 1,3,5 Service ports 2 and 4		Threaded port G 1/4 NAMUR flange acc. to VDI/VDE 3845				
Electrical connection		Tag connector acc. to DIN EN 175301-803 Form A (previously DIN 43650) for cable plug Type 2508 (see Accessories). Ensure correct polarity!				
Protection class		IP65 with cable plug				
Ambient temperate	ure	-25 to +55°C				
Media		Lubricated or non-lubricated compressed air, instrument air, nitrogen				
Environmental con	ditions	Open air, chemical atmosphere				
Response times <sup>1)</sup>	[ms]	<ol> <li>Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238.</li> <li>Opening: Pressure rise 0 to 90%,</li> </ol>				
Opening 75 Closing 115		Closing: Pressure drop 100 to 10%				

Electrical data						
Approval	II 2G EEx ia IIC T6 PTB 01 ATEX 2101 II 2D Ex ia D21 T 80°C					
Functional values for valve switching function <sup>1)</sup>	at +20°C	at +55°C				
Minimum switching current Nominal resistance of the coil Minimum terminal voltage	29 mA 310 Ω 9.0 V	29 mA 360 Ω 10.4 V				
Permissible maximum values acc. to certificate of conformity						
Ui	35 V					
li	0.9 A					
Pi	1.1 W					

<sup>1)</sup> With high-impedance coil on request

## Ordering chart valves without manual override (with manual override and high-impedance coil on request)

Circuit function	Orifice [mm]	Seal material body	Port connection threaded port	Q <sub>nn</sub> value air <sup>1)</sup> [I/min]	Pressure range <sup>2)</sup> [bar]	Weight [g]	Body material pilot valve	Material for control air bush	Item no.								
							St. st.	St. st.	144 482								
3/2-way valve, with exhaust air return, in de- energized position port 2 exhausted internally		1								NBR and					1.4305	brass, nickel-plated	144 483
or H 12 5/2-way valve, servo-assisted, in de-ener- gized position pressure port 1 connected to port 2, port 4 exhausted	6.0	PUR (polyamide)	G 1/4	900	2-8	670	brass	brass, nickel-plated	147 244								

1) Flow rate: QNn value air [I/min]: Measured at +20°C, 6 bar pressure at valve inlet, 1 bar pressure difference

2) Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure.

All valves can be operated in circuit function C as well as in circuit function H. By replacing the adapter plate that comes with the valves, the change between the two circuit functions can be set up. All valves have mounting plates and tag connectors acc. to DIN EN 175301-803 Form A (previously DIN 43650) and are supplied without cable plug (see Accessories p. 10)

Manifold assembly see page 8

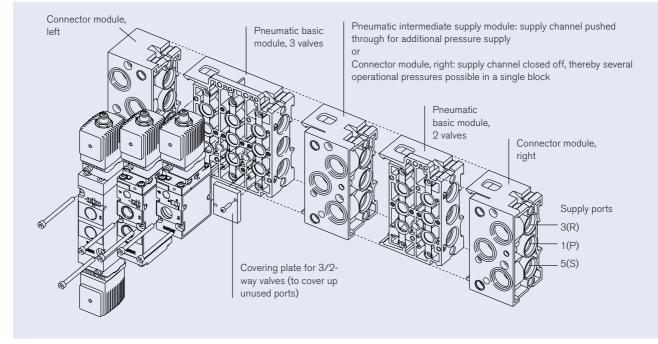
Accessories see page 10



### Pneumatic modules Type MP07

Single modules or pre-mounted blocks are available.

#### Example of a complete valve block



#### Note when ordering complete valve blocks:

Please list the modules in the block assembly from right to left, as shown in the ordering example.

#### Ordering example for Type 6518 with Type MP07

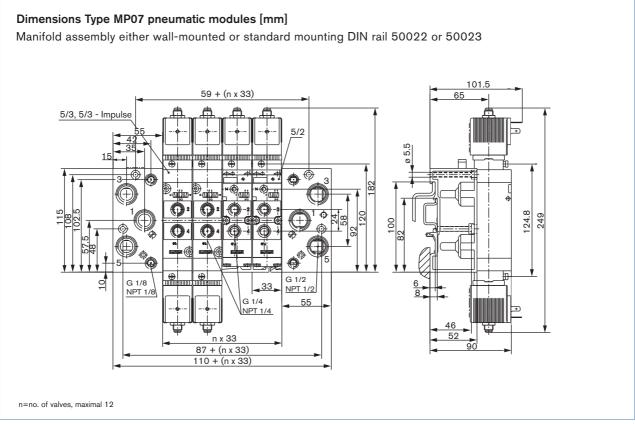
No.	Unit	ltem no.
1	Connector module right, G1/2	635 331
1	Pneumatic basic module, 2 valves	635 319
1	Pneumatic basic module, 3 valves	635 343
1	Connector module left, G1/2	635 324
5	Valves	132 457

#### Ordering chart for Type MP07 pneumatic modules

Version	ltem no.
Connector module right G1/2	635 331
Intermediate supply module	637 505
Pneumatic basic module, 2 valves universal (for 3/2-, 5/2- and 5/3-way)	635 319
Pneumatic basic module, 3 valves universal (for 3/2-, 5/2- and 5/3-way)	635 343
Connector module left G1/2	635 324
Covering plate for 5/2- and 5/3-way (to cover unused valve positions)	635 335
Covering plate for 3/2-way (to cover unused connections)	635 337



## Type MP07 pneumatic modules, continued



Valve assembly on pneumatic modules Type MP05 using the supplied M4 screws

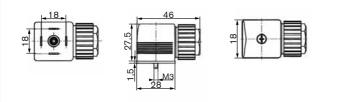


#### Accessories

#### Cable plug Type 2508 acc. to DIN EN 175301-803 Form A

The delivery of a cable plug includes the flat seal and the fixing screw. For other cable plug versions acc. to DIN EN 175301-803 Form A (previously DIN 43650) with integrated circuitry, see datasheet Type 2508.

#### Dimensions Type 2508 [mm]



## Ordering chart cable plug Type 2508

Circuitry	Voltage	Item no.				
For standard version 6518/19 Fixing screw in steel (galvanised and chrome-plated)						
without circuitry	0 - 250 V	008 376				
with LED	12 - 24 V	008 360				
with LED and varistor	12 - 24 V	008 367				
with LED and varistor	200 - 240 V	008 369				
For EEx i version 6519 Fixing screw in stainless steel 1.4404 and blue compression gland nut						
without circuitry 0 - 250 V 438 574						
for further versions see datasheet 2508						

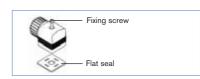
## **Ordering chart further Accessories**

Accessory	Feature	Item no.
Cap nut	Cap nut in stainless steel for additional protection of the exhaust air channel from the penetration of damp	649 554
Blanking plug	G 1/8	780 141
	G 1/4	780 142
	G 1/2	780 144
Silencer	G 1/8	005 305
	G 1/4	005 064
	G 1/2	005 062
Labelling plate	64 pieces	635 416

## Semi-delay fuse for 6519 NAMUR EEx m

Voltage [V]	Max. current [mA]	Item no.
24 V	315 mA	153 733
110 V	50 mA	153 716
230 V	32 mA	153 715

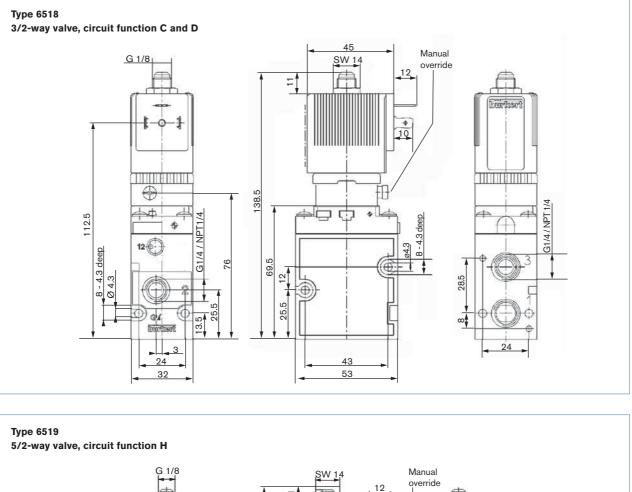


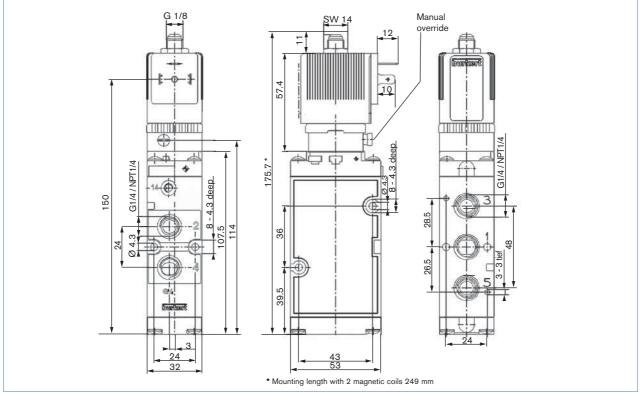




## Dimensions [mm]

#### Standard versions



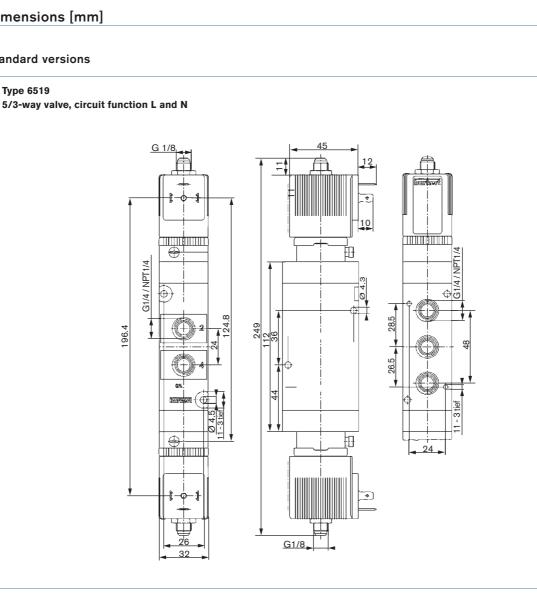




## Dimensions [mm]

### Standard versions





Έx



with terminal box (EEx me)

## Dimensions [mm]

EEx m/me versions

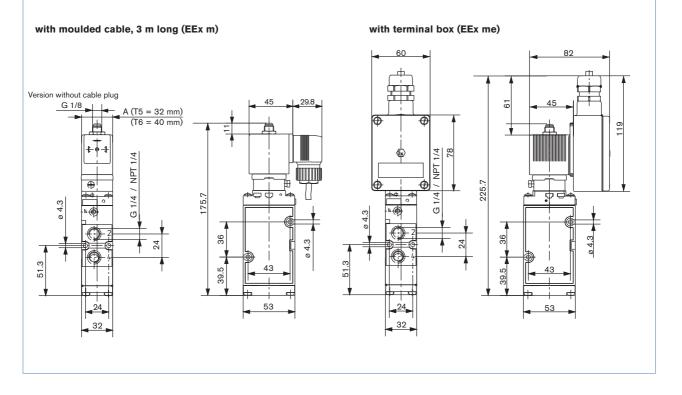
Туре 6518

3/2-way valve, circuit function C and D

#### with moulded cable, 3 m long (EEx m)

82 60 d d Version without cable plug 45 29.8 G 1/8 61 A (T5 = 32 mm) Þ (T6 = 40 mm)Ē Ø æ NPT 1/4 78 188.5 NPT 1/4 138.5 眗 ŧ æ Ð > G 1/4 φ 1/4 ø 4.3 12 🤁 ?€ ø 4.3 Ċ € ø 4.3 ø 4.3 25.51 25.5 25.5 Ś \_24 43 .24 13.5 13.5 4: 32 32 53 53

Type 6519 5/2-way valve, circuit function H, L and N



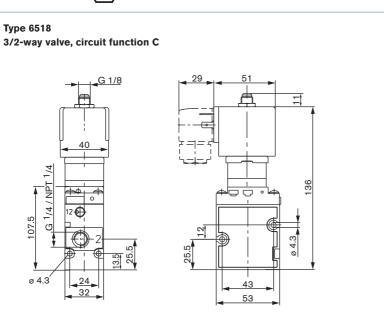
19

ξx

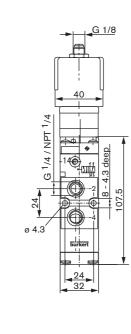


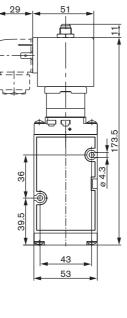
## Dimensions [mm]

EEx i versions



Type 6519 5/2-way valve, circuit function H

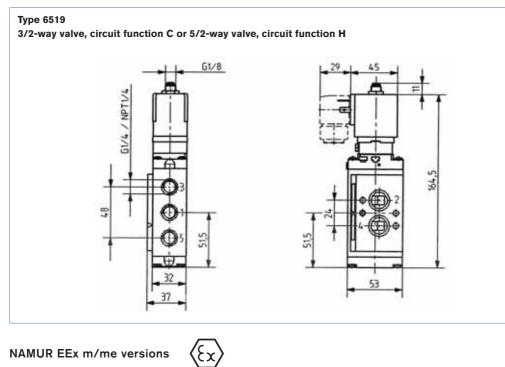






## Dimensions [mm]

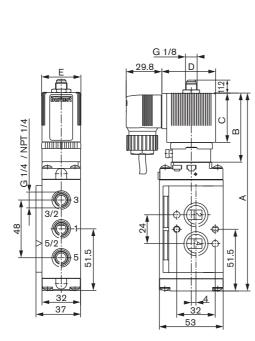
#### NAMUR standard version



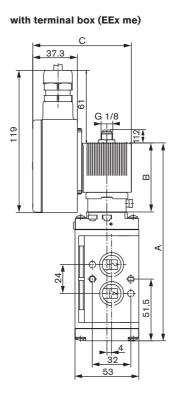
## Туре 6519

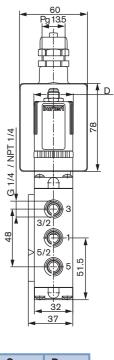
3/2-way valve, circuit function C or 5/2-way valve, circuit function H

with moulded cable, 3 m long (EEx m)



	Α	В	С	D	E
T5 coil	164.5	57.5	41.0	45.0	32
T6 coil	164.9	57.9	41.4	51.0	40





	Α	В	С	D
T5 coil	164.5	57.5	82	32
T6 coil	164.9	57.9	88	40

(£x

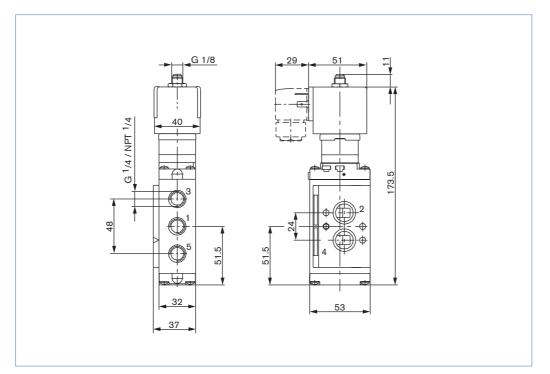


## Dimensions [mm]

NAMUR EEx i version

## Type 6519

3/2-way valve, circuit function C or 5/2-way valve, circuit function H



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

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Level: Level Transmitters & Switches

**Pressure:** Pressure Gauges & Transmitters, Precision & High Pressure Regulators & I-P Converters, Volume boosters.

**Precision Pneumatics:** Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

**Valves:** Solenoid & Pneumatic Valves, Control Valves & Positioners, Actuated Ball, Globe or Diaphragm Valves & Isolation Valves

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