CONTROLS (UK) LTD



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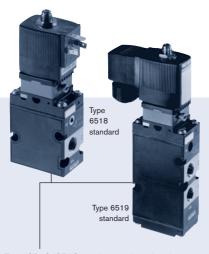






J Z Z





3/2-, 5/2- and 5/3-way Solenoid Valves for process pneumatics

- 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 6518/6519 can be combined with...















Type 2508 Cable plug

Type 1078

Timer unit

Type 2511/12

Ambient conditions

Protection class

Installation

ASI cable plug Dosing control

Type 2012

Single-seat globe valve

Type 2030 Diaphragm valve

The Type 6518 is a servo-assisted 3/2-way valve 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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General technical data Orifice Type 6518 DN 8 Type 6519 DN 6, 8 and 9 **Body material** Type 6518 Polyamide, reinforced Type 6519 Polyamide (5/2-way), aluminium (5/3-way) Thread insert material Brass or stainless steel Seal material NBR and PUR Type 6518 Type 6519 NBR, NBR and PUR **Pneumatic connection** Threaded port G1/4, can also be flanged Supply ports 1,3,5 Service ports 2 and 4 Threaded port G1/4 or NAMUR flange 1-803

Tag connectors acc. to DIN EN 175301-803 (previously DIN 43650) Form A
24 V DC 24/110/230 V, 50-60 Hz
±10%
Lubricated or non-lubricated compressed air, neutral gases. Technical vacuum on request
-10 to +50°C
-25 to +55° C -25 to +50° C -25 to +55° C



Further versions on request



As required, preferably with actuator upright

Open air, chemical atmosphere

IP 65 with cable plug



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	nrush Hold (hot coil)					
AC [VA]	AC [VA/W] DC [W]				
11	6/2	2				
Response tim	es 1)					
Opening	20 [ms]					
Closing		40 [mo]				

Technical data DN 8.0 and 9.0 Orifice **Body materials** Type 6518 Polyamide, reinforced Pilot valve and main 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% 2 W (100% continuous rating) Power consumption coil -25 to +55°C **Ambient temperature** Media Lubricated or non-lubricated compressed air, neutral gases on request Technical vacuum **Environmental** Open air, chemical atmosphere conditions

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

Circuit	Orifice [mm]	Seal material body	Port connection threaded port	Q _{nn} value air ^{!)} [I/min]	Pressure range²) [bar]	Weight [g]	Nominal power [W]	Voltage/ frequency [V/Hz]	Item no.
Type 6518 standard - thread insert ma	terial b	ass, threaded	port 1 and	3 can also	be flanged	l; without	cable plug	(see Accessorie	s p. 10)
C 2	8.0	NBR and	G 1/4	1300	2-8	370	2	024/DC	132 457
12 10		PUR (polyamide)						024/50-60	132 458
3/2-way valve, servo-assisted, in		(polyamide)						110/50-60	132 459
de-energized position port 2 exhausted								230/50-60	132 460
D 2	8.0	NBR and	G 1/4	1300	2-8	370	2	024/DC	132 461
10 7 10 10		PUR						024/50-60	132 462
3/2-way valve, servo-assisted, in de-		(polyamide)						110/50-60	132 463
energized position port 2 pressurized								230/50-60	132 464
Type 6519 standard - thread insert ma	terial b	ass, threaded	l port 1, 3 an	d 5 can als	o be flange	ed; without	t cable plug	g (see Accessori	es p. 10)
H 4 2	8.0	NBR and	G 1/4	1300	2-8	450	2	024/DC	132 465
122		PUR (polyamide)						024/50-60	132 466
5/2-way valve, servo-assisted, in de-		47						110/50-60	132 467
energized position port 2 pressurized, port 4 exhausted								230/50-60	132 468
L 4 2	9.0	NBR	G 1/4	1300	3-10	720	2	024/DC	132 469
14 12		(aluminium)						024/50-60	132 470
5/3-way valve, servo-assisted, in middle								110/50-60	132 471
position all ports locked								230/50-60	132 472
N 4 2	9.0	NBR	G 1/4	1300	3-10	720	2	024/DC	132 473
14 7 7 7 7 7 12		(aluminium)						024/50-60	132 474
5' '3 5/3-way valve, servo-assisted, in middle								110/50-60	132 475
position ports 2 and 4 exhausted								230/50-60	132 476

- 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



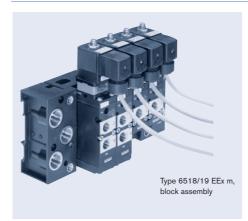


Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. Opening: Pressure rise 0 to 90% Closing: Pressure drop 100 to 10%

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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 1)	
Opening	20 [ms]
Closing	50 [ms]

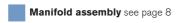
¹⁾ Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. Opening: Pressure rise 0 to 90%, Closing: Pressure drop 100 to 10%

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				
Environmental conditions	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	Orifice [mm]	Seal material body	Port connection threaded port	Q _{Nn} value air ¹) [I/ min]	Pressure range ²⁾ [bar]	Weight [g]	Nominal power [W]	Voltage/ frequency [V/Hz]	Item no.
Type 6518 EEx m - thread insert mater	ial bras	ss, threaded po	ort 1 and 3 c	an also be t	flanged; wit	th moulded	d cable, 3 r	n long ³⁾	
C 2	8.0	NBR	G 1/4	1300	2-8	600	3	024/UC	134 716
12 WY 10		and						110/UC	134 717
3/2-way valve, servo-assisted, in		PUR (polyamide)						230/UC	134 718
de-energized position port 2 exhausted		(polyamide)							
D 2	8.0	NBR	G 1/4	1300	2-8	600	3	024/UC	134 719
10 W12		and						110/UC	134 720
1 3		PUR						230/UC	134 721
3/2-way valve, servo-assisted, in de- energized position port 2 pressurized		(polyamide)							
Type 6519 EEx m - thread insert mater	ial brac	e threaded n	ort 1 3 and 5	i can aleo h	e flanged:	with moule	ded cable	3 m long ⁴⁾	
H 4 2	8.0	NBR	G 1/4	1300	2-8	700	3	024/UC	134 722
125	0.0	and	G 1/4	1300	2-0	700	3	110/UC	134 723
5 3		PUR						230/UC	134 724
5/2-way valve, servo-assisted, in de-		(polyamide)						200/00	104 724
energized position port 2 pressurized,									
port 4 exhausted	0.0	NBR	0.1/4	1000	0.10	1 100	3	004/110	104 705
4 2	9.0	(aluminium)	G 1/4	1300	3-10	1,100	3	024/UC 110/UC	134 725 134 726
14 		(alaminam)							
5/3-way valve, servo-assisted, in middle								230/UC	134 727
position all ports locked									
N 4 2	9.0	NBR	G 1/4	1300	3-10	1,100	3	024/UC	134 728
14		(aluminium)						110/UC	134 729
5/3-way valve, servo-assisted, in middle								230/UC	134 730
position ports 2 and 4 exhausted									

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



Accessories see page 10







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.

Orifice	DN 8.0
Body materials 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	Threaded port G 1/4 Threaded port G 1/4
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 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

Response times 1)	
Opening	75 [ms]
Closing	115 [ms]

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%

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.

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 ¹⁾	at +20°C	at +55°C				
Minimum switching current	29 mA	29 mA				
Nominal resistance of the coil	310 Ω	360 Ω				
Minimum terminal voltage	9.0 V	10.4 V				
Permissible maximum values acc. to certificate of conformity						
Ui	35 V					
li	0.9 A					
Pi	1.1 W					

¹⁾ With high-impedance coil on request

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

Type 6518 EEx i	Orifice [mm]	Seal material body	Port connection threaded port	QNn value air ¹) [i/min]	Pressure range ²⁾ [bar]	Weight [g]	Body material pilot valve	Pilot air thread insert material	Item no.
C 12 12 10 3/2-way valve, servo-assisted, in deenergized position port 2 exhausted	8.0	NBR and PUR (polyamide)	G 1/4	1300	2-8	580	St. st. 1.4305 brass	St. st. brass, nickel plated brass, nickel plated	145 111 144 486 147 253
Type 6519 EEx i H 12 13 5/2-way valve, servo-assisted, in de-energized position port 2 pressurized, port 4 exhausted	8.0	NBR and PUR (polyamide)	G 1/4	1300	2-8	670	St. st. 1.4305 brass	St. st. brass, nickel plated brass, nickel plated	144 484 144 485 147 252

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

Manifold assembly see page 8

Accessories see page 10

Dimensions see page 14



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.

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
Pneumatic connection Supply ports 1,3,5 Service ports 2 and 4 Electrical connection	Threaded port G 1/4 NAMUR flange Tag connector acc. to DIN EN 175301-803 Form A
	(previously DIN 43650)
Protection class	IP65 with cable plug
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	Compressed air, nitrogen, instrument air
Environmental conditions	Slightly aggressive, also open air

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

Response times 1)	
Opening Closing	20 [ms] 40 [ms]

¹⁾ 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	Orifice [mm]	Seal material body	Thread insert material ¹⁾	Port connection threaded port	Q _{Nn} value air ²⁾ [I/min]	Pressure range³) [bar]	Weight [g]	Power consumption [W]	Voltage/ frequency [V/Hz]	Item no.
3/2-way valve with exhaust recycling, in de-energized position port 2 fed back internally	6.0	NBR and PUR	stainless steel	G 1/4	900	2-8	460	2	024/DC 024/50-60 110/50-60 230/50-60	131 425 131 426 131 427 131 428
12 5/2-way valve, servo-assisted, in de- energized position pressure port 1 con- nected to port 2, output 4 exhausted	6.0	NBR and PUR	brass, nickel- plated	G 1/4	900	2-8	460	2	024/DC 024/50-60 110/50-60 230/50-60	131 421 131 422 131 423 131 424

- 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.







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

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
Pneumatic connection 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	2G EEx m T 5 PTB 00 ATEX 2129X 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 conditions	Slightly aggressive, also open air

Response times 1)	
Opening	20 [ms]
Closing	40 [ms]

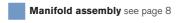
¹⁾ Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. Opening: Pressure rise 0 to 90%, Closing: Pressure drop 100 to 10%

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

Version acc. to EEx m, with 3 m lo	Orifice [mm]	Seal material body	Thread insert material ¹⁾	Port connection threaded port	QNn value air ²⁾ [I/min]	Pressure range ³ [bar]	Weight [g]	Power consumption [W]	Voltage/ frequency [V/Hz]	Item no.
12 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		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	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 term	inal bo	x withou	ıt fuse (see	Accessori	es p. 10)					
12 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		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	and PUR	brass, nickel- plated	G 1/4	900	2-8	690	3	024/UC 110/UC 230/UC	427 978 139 065 139 066

- 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.











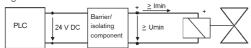
Type 6519 NAMUR EEx i (with tag connector acc. to DIN EN 175301-803 Form A, without cable plug)



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 intrinsically safe 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 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	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 temperature	-25 to +55°C
Media	Lubricated or non-lubricated compressed air, instrument air, nitrogen
Environmental conditions	Open air, chemical atmosphere
Response times 1) [ms]	Measured at valve outlet at 6 bar and +20°C acc. to ISO 12238. Opening: Pressure rise 0 to 90%.

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 1)	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	35 V				

0.9 A

1.1 W

Opening: Pressure rise 0 to 90%,

Closing: Pressure drop 100 to 10%

75

115

Opening

Closing

li

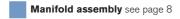
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Ordering chart valves without manual override (with manual override and high-impedance coil on request)

Circuit	Orifice [mm]	Seal material body	Port connection threaded port	Q _{nn} value air ¹⁾ [I/min]	Pressure range² [bar]	Weight [g]	Body material pilot valve	Material for control air bush	Item no.
C 42							St. st.	St. st.	144 482
3/2-way valve, with exhaust air return, in de- energized position port 2 exhausted internally		NBR and					1.4305	brass, nickel-plated	144 483
or H 12 5/2-way valve, servo-assisted, in de-energized 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

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)







¹⁾ With high-impedance coil on request

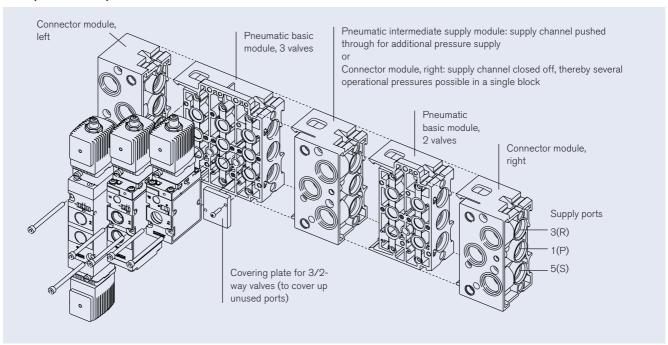
²⁾ Pressure values [bar]: Gauge pressures with respect to the prevailing atmospheric pressure.



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

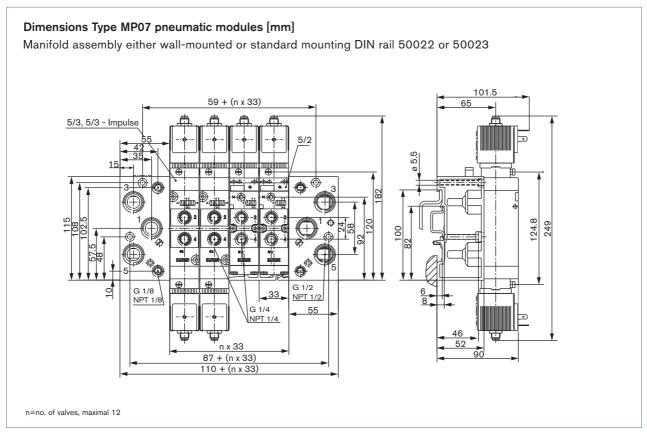
No.	Unit	Item no.
1	Connector module right, G1/2	635 331
1	Pneumatic basic module, 2 valves	635 319
1	Pneumatic basic module, 3 valves	635 343
1	Connector module left, G1/2	635 324
5	Valves	132 457

Ordering chart for Type MP07 pneumatic modules

Version	Item 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

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Type MP07 pneumatic modules, continued



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



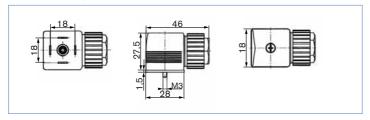
Accessories

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

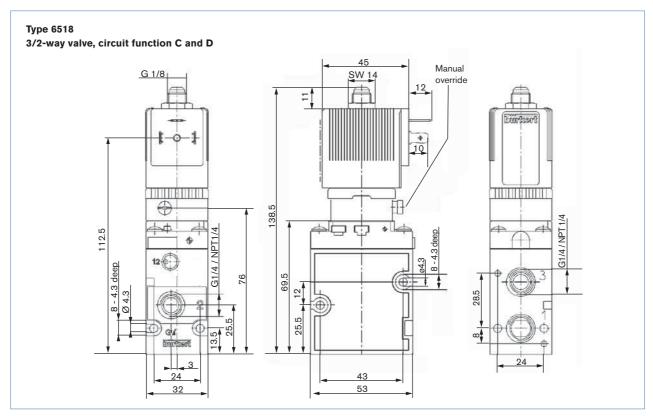
Semi-delay fuse for 6519 NAMUR EEx m

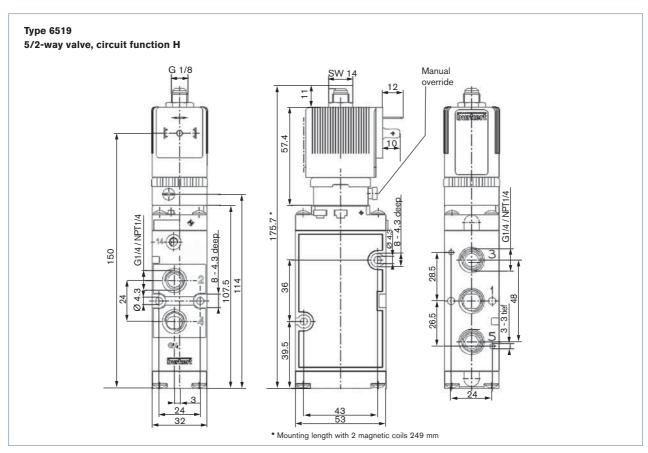
Voltage [V]	Max. current [mA]	Item no.
24 V	315 mA	153 733
110 V	50 mA	153 716
230 V	32 mA	153 715

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Dimensions [mm]

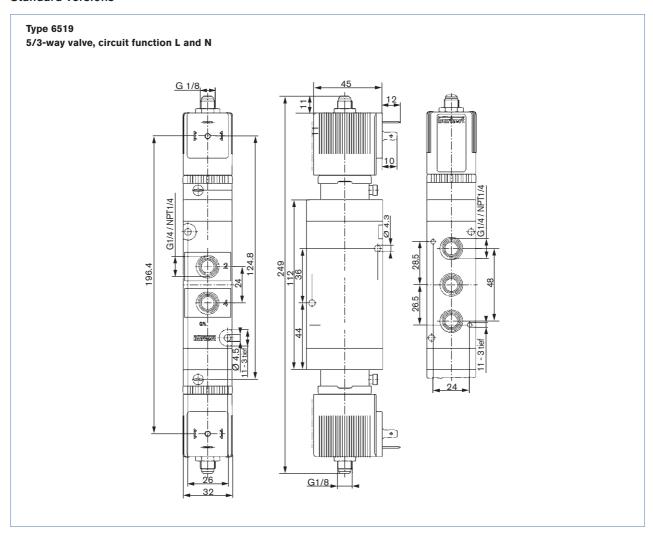
Standard versions







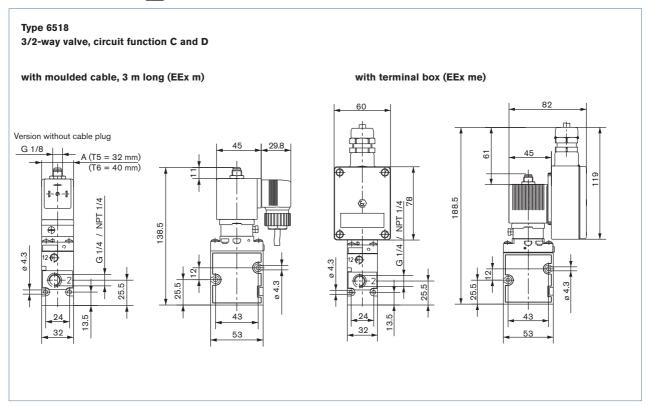
Standard versions

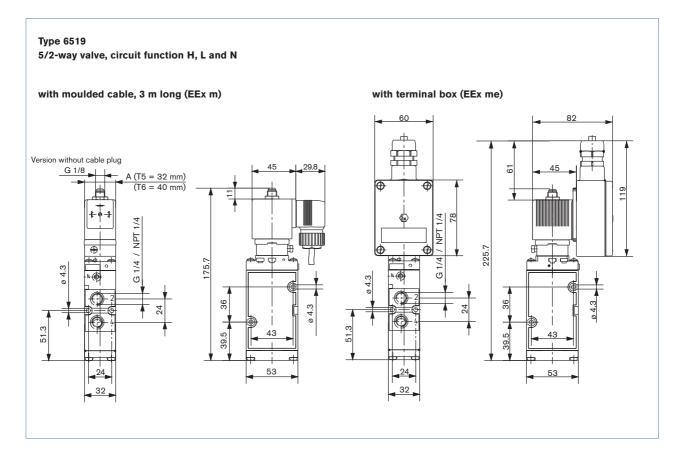




EEx m/me versions



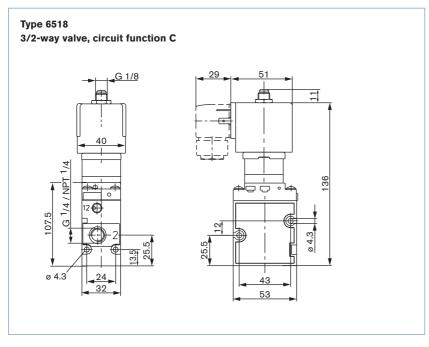


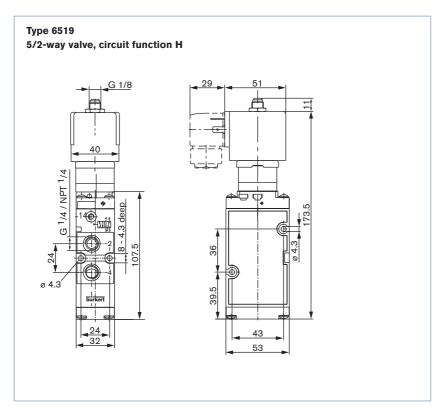




EEx i versions

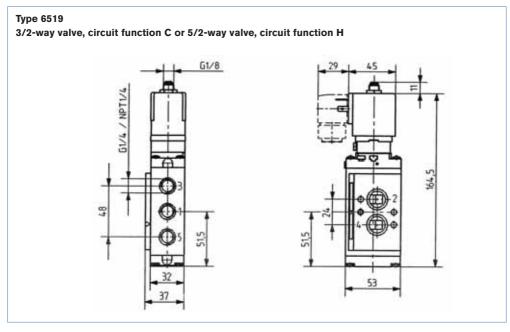






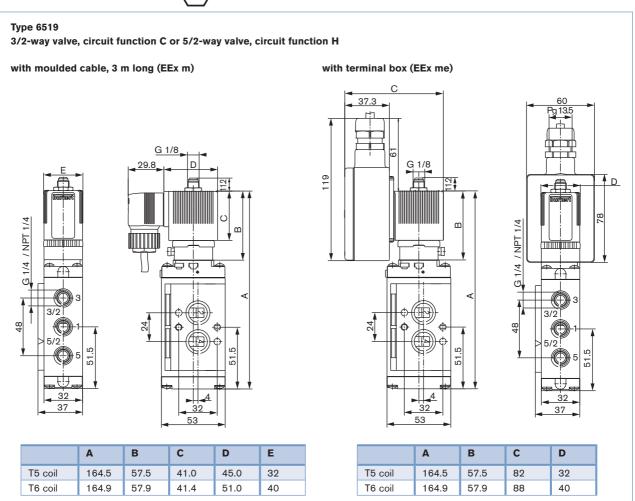


NAMUR standard version



NAMUR EEx m/me versions





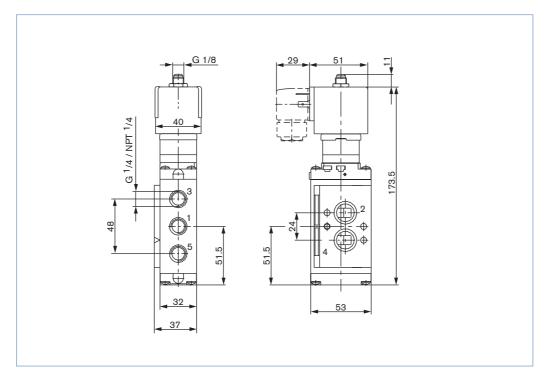


NAMUR EEx i version



Type 6519

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



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