



NAMUR valve

- Mixed commutation system (spool-poppet)
- High flow rate
- Quick response time
- High cycle rates
- Control: pneumatic, electric
- Suitable for rotating pneumatic actuators used in industrial plants for the distribution of fluids
- NAMUR VDI/VDE 3845 interface



Fluid	50 µm filtered air, with or without lubrication
Ambient temperature	-10 ÷ 45 °C
Fluid temperature	-10 ÷ 50 °C
Commutation system	poppet mixed
Ways/Positions	5/2 - 3/2* * = This can be achieved with isolating disc, standard supplied
Pressure	10 bar max
Control	pneumatic, electric
Return	pneumomechanical spring, pneumatic, electric
Connections	1-3-5: G1/4 2-4: NAMUR interface
Nominal Ø	8 mm
Nominal flow rate	1200 NI/min
Valve body	zamak
Seals	nitrile rubber, polyurethane
Actuators	technopolymer
Spool	aluminium
Electropilot	AA series
Coil	U1-U3
Power consumption	3,5 W (DC) - 5 VA (AC)
Connector	AM-5110
Voltage	12 V DC - 24 V DC - 24 V AC - 110 V AC - 230 V AC
Manual override	impulse screw - 2 positions



Reference standard

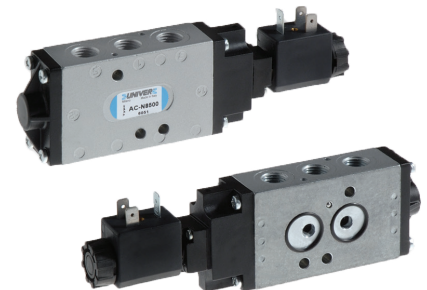
II 2G Ex h IIC T5 Gb



II 2D Ex h IIIC T100°C Db



II 3 GD c nA II T5 -10 °C ≤ Ta ≤ 45°C IP65

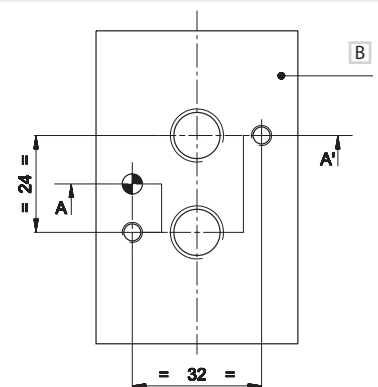
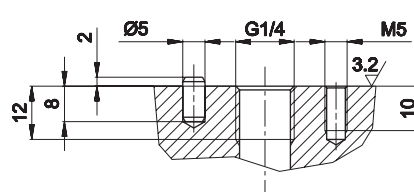
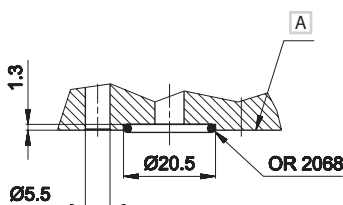


MISTO
per applicazioni gravose



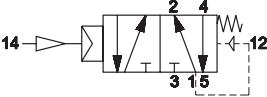
NAMUR INTERFACE

A-A' section

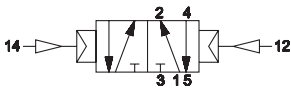


- A Electrovalve surface
- B Flange surface

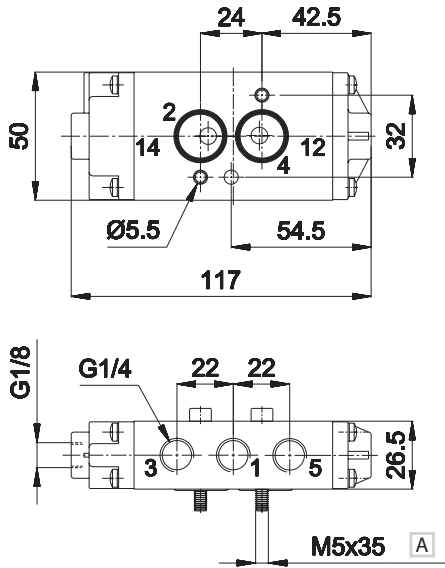
SINGLE PNEUMATIC IMPULSE

Code	Way	Thread	Control	Return	Pressure bar	Response. Time (ms)		Weight Kg	
						En.	De-en.		
 AC-N8100	5/2	G 1/4	pneumatic amplified	pneumo mechanical spring	2,3÷10	10	10	0,564	

DOUBLE PNEUMATIC IMPULSE

Code	Way	Thread	Control	Return	Pressure bar	Response. Time (ms)		Weight Kg	
						En.	De-en.		
 AC-N8120	5/2	G 1/4	pneumatic amplified	pneumatic amplified	0,8÷10	6	6	0,564	

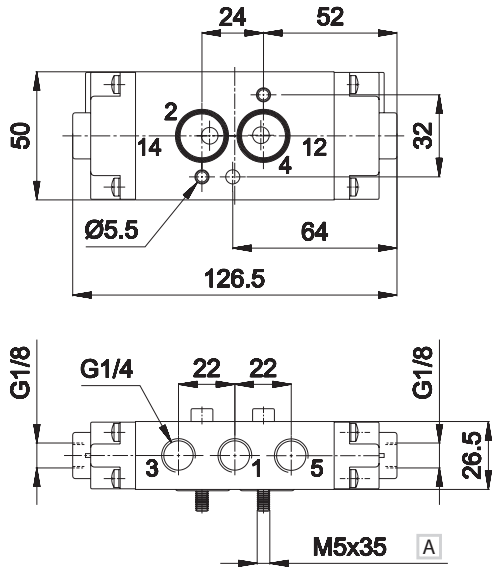
SINGLE PNEUMATIC IMPULSE



A ISO 4762

- 1 = Supply port
- 2 - 4 = Use
- 3 - 5 = Exhaust
- 14 = Control
- 12 = Return

DOUBLE PNEUMATIC IMPULSE

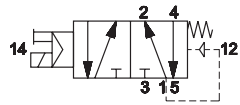


A ISO 4762

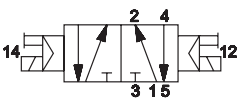
- 1 = Supply port
- 2 - 4 = Use
- 3 - 5 = Exhaust
- 14 = Control
- 12 = Return

Version 3/2: valves are supplied with proper fl at plug for closing unused way.
By plugging port 2 with the supplied plug, the valve becomes a 3/2 normally open (NO) valve.
By plugging port 4 with the supplied plug, the valve becomes a 3/2 normally closed (NC) valve.
Solenoid valves are supplied without coil / connector

SINGLE ELECTRICAL IMPULSE

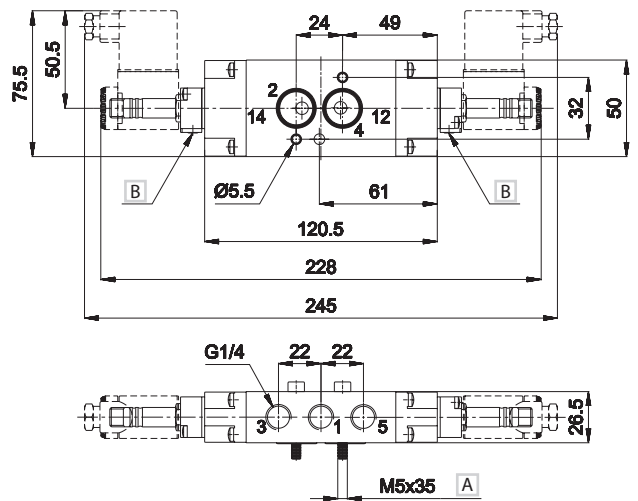
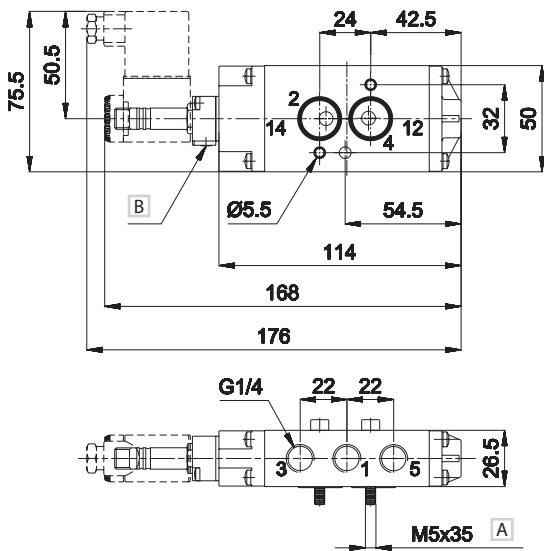
	Code	Way	Thread	Control	Return	Pressure bar	Response. Time (ms)		Weight Kg	
							En.	De-en.		
	AC-N8500	5/2	G 1/4	electric amplified	pneumo mechanical spring	2,3÷10	22	22	0,6	

DOUBLE ELECTRICAL IMPULSE

	Code	Way	Thread	Control	Return	Pressure bar	Response. Time (ms)		Weight Kg	
							En.	De-en.		
	AC-N8520	5/2	G 1/4	electric amplified	electric amplified	0,8÷10	14	14	0,636	

SINGLE ELECTRICAL IMPULSE

DOUBLE ELECTRICAL IMPULSE



A ISO 4762

- 1 = Supply port
- 2 - 4 = Use
- 3 - 5 = Exhaust
- 14 = Control
- 12 = Return

A ISO 4762

- B Manual control
- 1 = Supply port
- 2 - 4 = Use
- 3 - 5 = Exhaust
- 14 = Control
- 12 = Return

Version 3/2: valves are supplied with proper fl at plug for closing unused way.
By plugging port 2 with the supplied plug, the valve becomes a 3/2 normally open (NO) valve.
By plugging port 4 with the supplied plug, the valve becomes a 3/2 normally closed (NC) valve.
Solenoid valves are supplied without coil / connector

COILS

CSA/UL

Possibility of replacement without intervention in the pneumatic circuit

Other voltages available upon request

360° rotation on the pilot. Coil winding: H class

Ambient temperature: -10 ÷ +45 °C. Fluid temperature: -10 ÷ +95 °C.

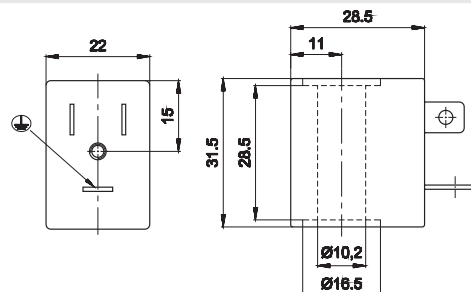
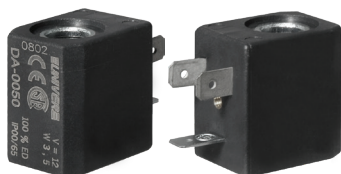
The solenoid valves functioning with 100V-230V must be incorporated (EN60204-1)

Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated.

Protection class IP65, if used with connector.

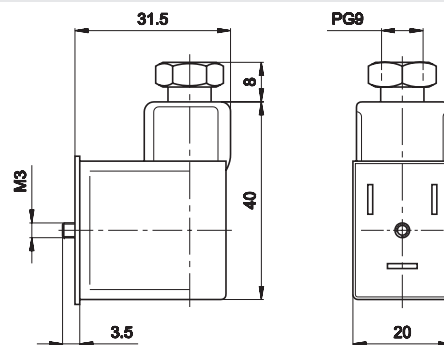


U1 22 MM COIL



Code	Duty cycle ED (a) %	Power consumption W		Tolerance tension %	Rated voltage	Weight Kg
		Hold	Inrush			
DA-0050	100	3,5	3,5	±10	12 V DC	0,06
DA-0051	100	3,5	3,5	±10	24 V DC	0,06
DA-0106	100	5,4 VA (Max)	7,8 VA (Max)	±10	24 V AC/50-60 HZ	0,06
DA-0108	100	5,4 VA (Max)	7,8 VA (Max)	±10	110 V AC/50-60 HZ	0,06
DA-0124	100	5,4 VA (Max)	7,8 VA (Max)	±10	230 V AC/50-60 HZ	0,06

CONNECTOR FOR COIL U1



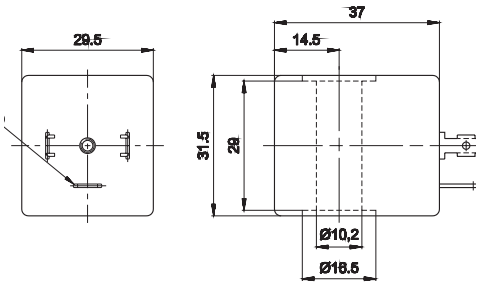
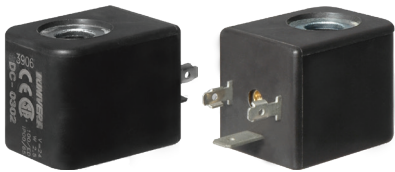
Code	Series coils	Protection rating	Cable connection	Guidance
AM-5110	U1	IP65	PG9	180°

LED available upon request.

(a) = 110V - 230V solenoid valves must be built-in (EN-60204-1)

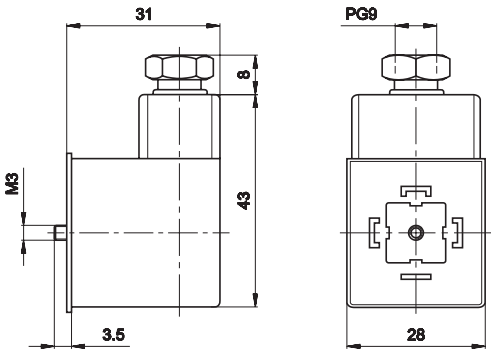
In continuous operation, the operating temperature does not affect the coil's performance, provided it is installed in a well-ventilated area

U3 30 MM COIL



Code	Duty cycle ED (a) %	Power consumption W		Tolerance tension %	Rated voltage	Weight Kg
		Hold	Inrush			
DC-0301	100	2,5	2,5	±10	12 V DC	0,08
DC-0302	100	2,5	2,5	±10	24 V DC	0,08
DC-0307	100	3,3 VA (Max)	5 VA (Max)	±10	24 V AC/50-60 HZ	0,08
DC-0309	100	3,3 VA (Max)	5 VA (Max)	±10	110 V AC/50-60 HZ	0,08
DC-0310	100	3,3 VA (Max)	5 VA (Max)	±10	230 V AC/50-60 HZ	0,08

CONNETTORE DIN 43650 PER BOBINE SERIE U3



Code	Series coils	Protection rating	Cable connection	Guidance
AM-5111	U3	IP65	PG9	360°

LED available upon request.