

Manual override
(standard)



No manual
override
(on request)



LED



interface
ISO 15218
(on request)



90° connector



In-line connector



In-line PIN



90° cables



In-line cables



STANDARD B11



1 W
10 NI/min

LOW CONSUMPTION B10



0,3 W
10 NI/min

HIGH FLOW RATE (B12)



0,6 W
28 NI/min
Special version 40 NI/min

MAGNETIC MEMORY (LATCHING)



Energizing through short impulse,
de-energizing through the same
impulse with inverted polarity.



ISO 15218 - 10 mm Nanovalves - 1 W standard

- Flow-rate: 10 NI/min
- Quick response time: 3 ms
- ISO 15218 interface
- 3/2 NC version
- Led standard

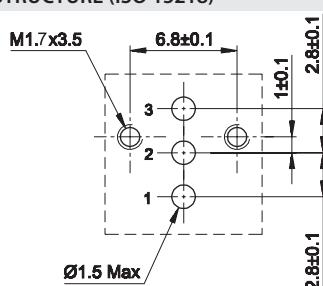


Fluid	10 µm filtered air, with or without lubrication
Ambient temperature	-5 ÷ +50 °C
Fluid temperature	Max +50 °C
Ways/Positions	3/2 NC, 3/2 NO
Pressure	Max 7 bar
Control	electric
Return	mechanical spring
Operating frequency	5 Hz
Assembly	no. 2 screws M1,7
Connections	interface ISO 15218
Nominal Ø (mm)	0,7
Nominal flow rate (NI/min)	10
Valve body	self-extinguishing technopolymer
Seals	VITON/NBR
Components	stainless steel - brass
Voltage	24 V DC (12 V DC upon request)
Voltage tolerance	±10%
Power consumption	1 W
Electrical connection	connector D535 U40 (IP65), welded pin (IP00), Molex
LED	yellow (standard)
Manual override	monostable button



Series	Model	Type	Function	Variant	Voltage
B 1 1	4	0	1	L	2 4 D
B11 ISO 15218 - 10 mm Nanovalves	4 Monostable	0 = 3/2 NC 1 = 3/2 NO	1 With manual override L variant 2 Without manual override L variant 3 With manual override P variant 4 Without manual override P variant	L 90° connector protected pins P In-line connector for assembly on electronic board	24D 24 V DC
upon request					
			5 With manual override M variant 6 Without manual override M variant	M In-line connector protected pins	12D 12 V DC

SUBSTRUCTURE (ISO 15218)

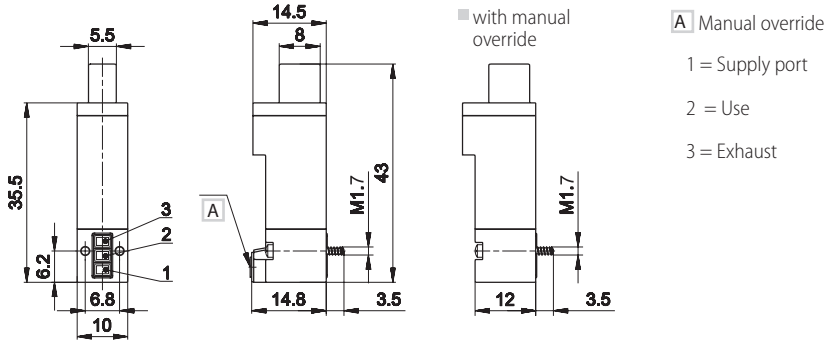
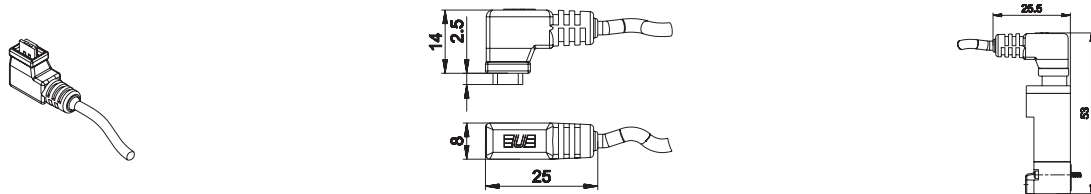


- 1 = Supply port
2 = Use
3 = Exhaust

Fixing screws standard supplied. Max tightening torque 0,15 Nm

90° CONNECTOR WITH PROTECTED PINS

	Code	Way	Pressure Bar	Ø mm	Resp. Time (ms)		Actuation	Weight kg	
					En.	De-en.			
	B11-401L24D	3/2 NC	0÷7	0,7	3	3,5	with manual override	0,0108	
	B11-402L24D	3/2 NC	0÷7	0,7	3	3,5	without manual override	0,0107	


SINGLE CONNECTOR WITH 0.3–0.5 M CABLE FOR 90° CONNECTOR WITH PROTECTED PINS.


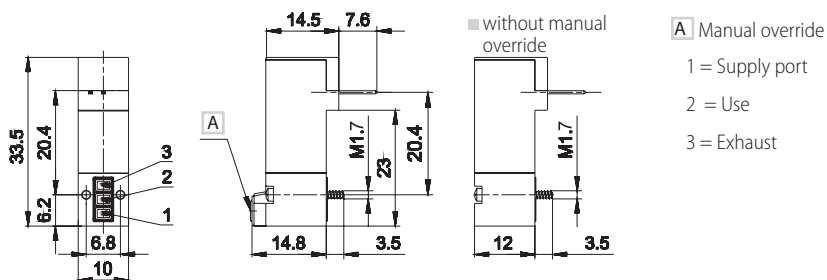
Code	Length (mm)	Weight Kg
D-535U40300	300	0,05
D-535U40500	500	0,07

MINIATURE CONNECTOR WITH WIRE LEADS


Code	Length (mm)
D-530-30	300
D-530-50	500
D-530-200	2000

IN-LINE PIN (FOR ASSEMBLY ON ELECTRONIC BOARD)

	Code	Way	Pressure Bar	Ø mm	Resp. Time (ms)		Actuation	Weight kg	
					En.	De-en.			
	B11-403P24D	3/2 NC	0÷7	0,7	3	3,5	with manual override	0,0104	
	B11-404P24D	3/2 NC	0÷7	0,7	3	3,5	without manual override	0,0103	





ISO 15218 - 10 mm Nanovalves - low power consumption

- Low input standard: 0,3 W
- Flow-rate: 10 NI/min
- Quick response time: 3 ms
- ISO 15218 interface
- 3/2 NC version
- Led standard

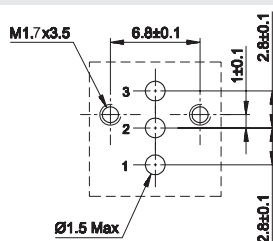


Fluid	10 µm filtered air, with or without lubrication
Ambient temperature	-5 ÷ +50 °C
Fluid temperature	Max +50 °C
Ways/Positions	3/2 NC
Pressure	Max 7 bar
Control	electric
Return	mechanical spring
Operating frequency	5 Hz
Assembly	n. 2 screws M1,7
Connections	interface ISO 15218
Nominal Ø (mm)	0,7
Nominal flow rate (NI/min)	10
Valve body	self-extinguishing technopolymer
Seals	VITON/NBR
Components	stainless steel - brass
Voltage	24 V DC (12 V DC upon request)
Voltage tolerance	±10%
Power consumption	0,3 W (speed-up 1,3 W)
Electrical connection	connector D535 U40 (IP65), welded pin (IP00), Molex
LED	yellow (standard)
Manual override	monostable button



Series	Model	Type	Function	Variant	Voltage
B 1 0	4	0	1	L	2 4 D
B10 Nanovalves low power consumption	4 Monostable	0 = 3/2 NC	1 With manual override L variant 2 Without manual override L variant 3 With manual override P variant 4 Without manual override P variant	L 90° connector protected pins P In-line connector for assembly on electronic board	24D 24 V DC
upon request					
			5 With manual override M variant 6 Without manual override M variant	M In-line connector protected pins	12D 12 V DC

SUBSTRUCTURE (ISO 15218)

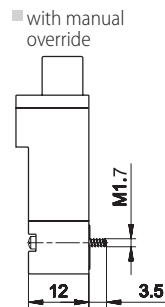
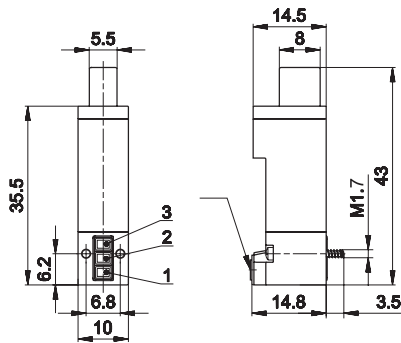


- 1 = Supply port
2 = Use
3 = Exhaust

Fixing screws standard supplied. Max tightening torque 0,15 Nm

RIGHT-ANGLE CONNECTOR WITH PROTECTED PINS

	Code	Way	Pressure Bar	Ø mm	Resp. Time (ms)		Actuation	Weight kg	
					En.	De-en.			
	B10-401L24D	3/2 NC	0÷7	0,7	3	3,5	with manual override	0,0108	
	B10-402L24D	3/2 NC	0÷7	0,7	3	3,5	without manual override	0,0107	



■ with manual override

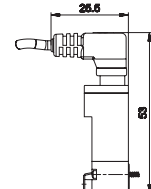
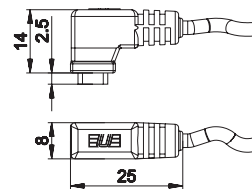
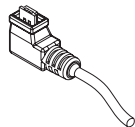
□ Manual override

1 = Supply port

2 = Use

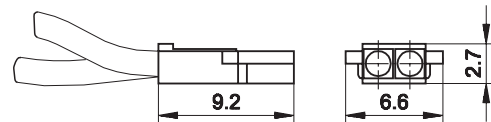
3 = Exhaust

SINGLE CONNECTOR WITH 0.3–0.5 M CABLE FOR 90° CONNECTOR WITH PROTECTED PINS



Code	Length (mm)	Weight Kg
D-535U40300	300	0,05
D-535U40500	500	0,07

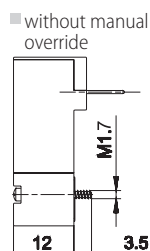
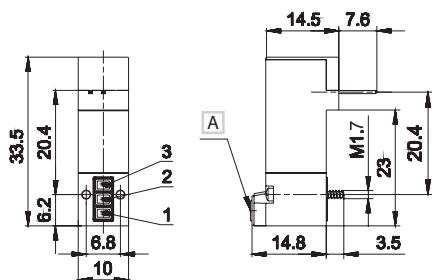
MINIATURE CONNECTOR WITH WIRE LEADS



Code	Length (mm)
D-530-30	300
D-530-50	500
D-530-200	2000

INLINE PINS (SUITABLE FOR PCB MOUNTING)

	Code	Way	Pressure Bar	Ø mm	Resp. Time (ms)		Actuation	Weight kg	
					En.	De-en.			
	B10-403P24D	3/2 NC	0÷7	0,7	3	3,5	with manual override	0,0104	
	B10-404P24D	3/2 NC	0÷7	0,7	3	3,5	without manual override	0,0103	



■ without manual override

□ Manual override

1 = Supply port

2 = Use

3 = Exhaust



Nanovalves 10 mm - high flow rate - ISO 15218

- High flow-rate: 30 NI/min
- Quick response time: 3 ms
- ISO 15218 interface
- 3/2 NC version
- Led standard
- 40 NI/min flow rate version (upon request)

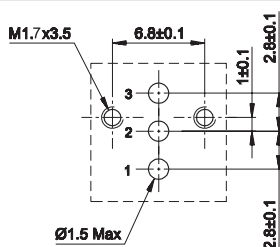


Fluid	10 µm filtered air, with or without lubrication
Ambient temperature	-5 ÷ +50 °C
Fluid temperature	Max +50 °C
Ways/Positions	3/2 NC
Pressure	Max 7 bar
Control	electric
Return	mechanical spring
Operating frequency	5 Hz
Assembly	n. 2 screws M1,7
Connections	interface ISO 15218
Nominal Ø (mm)	1,3
Nominal flow rate (NI/min)	28
Valve body	self-extinguishing technopolymer
Seals	VITON/NBR
Components	stainless steel - brass
Voltage	24 V DC (12 V DC upon request)
Voltage tolerance	±10%
Power consumption	0,6 W (speed-up 5,5 W)
Electrical connection	connector D535 U40 (IP65), welded pin (IP00), Molex
LED	yellow (standard)
Manual override	monostable button



Series	Model	Type	Function	Variant	Voltage
B 1 2	4	0	1	L	2 4 D
B12 Nanovalves 10 mm high flow rate ISO 15218	4 Monostable	0 = 3/2 NC	1 With manual override L variant 2 Without manual override L variant 3 With manual override P variant 4 Without manual override P variant	L 90° connector protected pins P In-line connector for assembly on electronic board	24D 24 V DC
upon request					
			5 With manual override M variant 6 Without manual override M variant	M In-line connector protected pins	12D 12 V DC

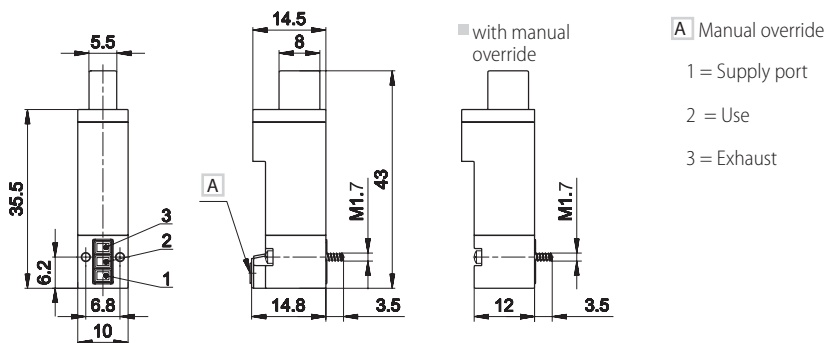
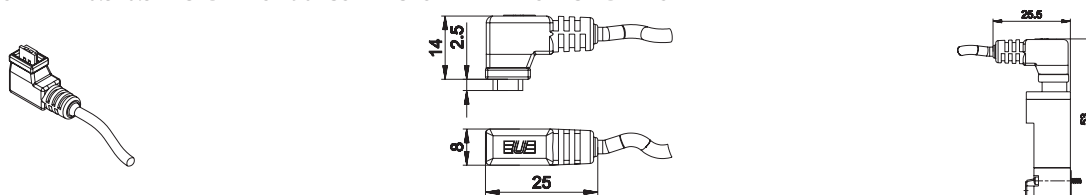
SUBSTRUCTURE (ISO 15218)



- 1 = Supply port
2 = Use
3 = Exhaust

RIGHT-ANGLE CONNECTOR WITH PROTECTED PINS

	Code	Way	Pressure Bar	Ø mm	Resp. Time (ms)		Actuation	Weight kg	
					En.	De-en.			
	B12-401L24D	3/2 NC	0÷7	1,3	3	3,5	with manual override	0,0108	
	B12-402L24D	3/2 NC	0÷7	1,3	3	3,5	without manual override	0,0107	


SINGLE CONNECTOR WITH 0.3–0.5 M CABLE FOR 90° CONNECTOR WITH PROTECTED PINS


Code	Length (mm)	Weight
D-535U40300	300	Kg: 0,05
D-535U40500	500	Kg: 0,07

MINIATURE CONNECTOR WITH WIRE LEADS


Code	Length (mm)
D-530-30	300
D-530-50	500
D-530-200	2000

PIN IN LINE (ADATTO PER MONTAGGIO SU SCHEDA ELETTRONICA)

	Code	Way	Pressure Bar	Ø mm	Resp. Time (ms)		Actuation	Weight kg	
					En.	De-en.			
	B12-403P24D	3/2 NC	0÷7	1,3	3	3,5	with manual override	0,0104	
	B12-404P24D	3/2 NC	0÷7	1,3	3	3,5	without manual override	0,0103	

