

B 10 mm
1,2 W
12 NI/min



DETENT SYSTEM UNIVER Original since 1988

B 10 mm 3/2 NC-NO



Revolving coil
180° x 180°



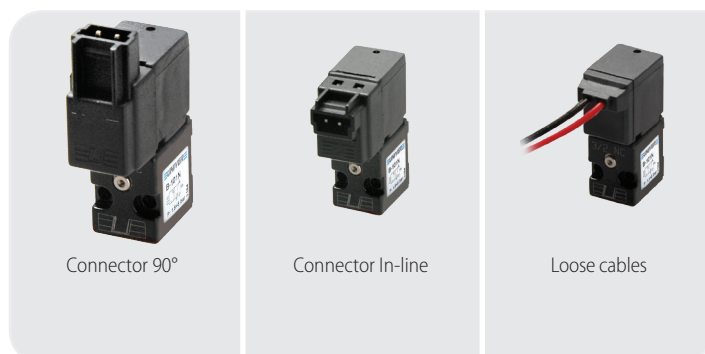
Manual
override



Conveyed
exhaust



Athmosphere
exhaust



Connector 90°

Connector In-line

Loose cables



Nanovalves 10 mm

- Flow rate 12 NI/min
- Interface with conveyed discharge or discharge in the air
- Versions 3/2 normally open (NO) and normally closed (NC)
- Interchangeable coil (U04) - rotation by 180°
- Molex-type electrical connector or loose wires



Fluid	10 µm filtered air, with or without lubrication
Ambient temperature	-5 ÷ +50 °C
Fluid temperature	Max +50 °C
Commutation system	poppet valve
Ways/Positions	3/2 NC, 3/2 NO
Pressure	Max 8 bar
Control	electric
Return	mechanical spring
Connections	on sub-base
Nominal Ø	0,5÷0,6 mm
Nominal flow rate	9÷12 NI/min
Max frequency	2300 ÷ 3000 cycles/min
Valve body	technopolymer (aluminium external cover)
Seals	NBR
Components	stainless steel - treated brass
Coil	U04
Power consumption	1,2 W (1,35 W with LED) 0,5 W (speed-up 1,2 W)
Electrical connection	Molex bipolar connector or loose cables
Voltage	12 V DC - 24 V DC
Manual override	recessed button - 1 position



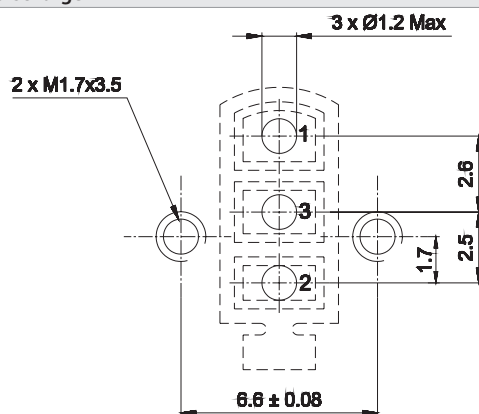
Reference Standard

II 3 GD c nA II T5 tD A 22 T100°C IP65

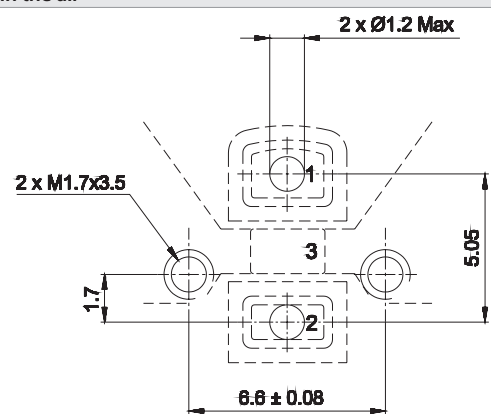


LAYING SURFACE PROCESSING ISO 15218

Conveyed discharge



Discharge in the air



NC

1 = Supply port

2 = Use

3 = Exhaust

NO

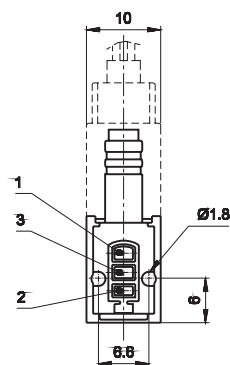
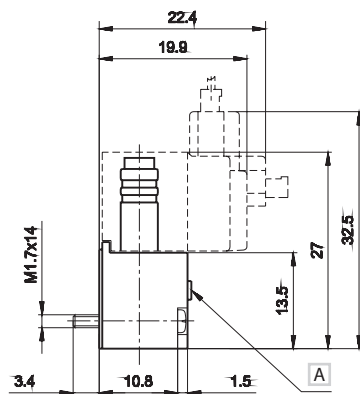
1 = Exhaust

2 = Use

3 = Supply port

VALVES WITH CONVEYED DISCHARGE

	Code	Way	Ø mm	Flow rate NI/min.	Pressure bar	Response Time (ms)		Weight kg	
						En.	De-en.		
	B-101N	3/2 NC	0,5	1 → 2 = 9 2 → 3 = 12	1,5÷8	9	10	0,007	
	B-121N	3/2 NO	0,5	3 → 2 = 9 2 → 1 = 10	0÷8	18	8	0,007	



A Manual control

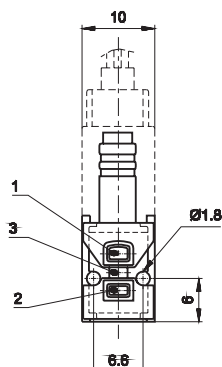
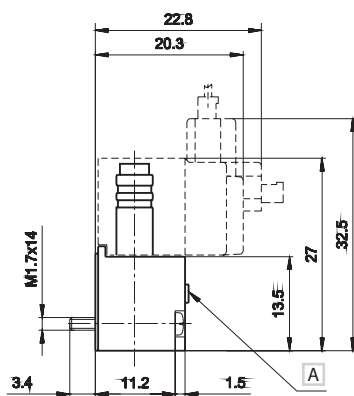
1 = Power supply

2 = Use

3 = Exhaust

VALVES WITH DISCHARGE IN THE AIR

	Code	Way	Ø mm	Flow rate NI/min.	Pressure bar	Response Time (ms)		Weight kg	
						En.	De-en.		
	B-102N	3/2 NC	0,6	1 → 2 = 12 2 → 3 = 15	1,5÷8	9,5	9	0,007	



A Manual control

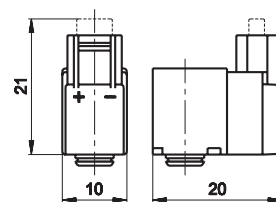
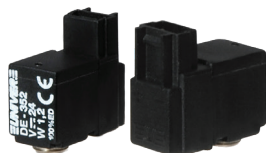
1 = Power supply

2 = Use

3 = Exhaust

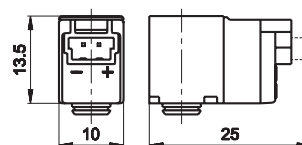
For the 3/2 NC version, 0 bar operating pressure is available on request.

Nanovalves are supplied without coil and connector

U04 COIL WITH INTEGRATED 90° UPWARD CONNECTOR


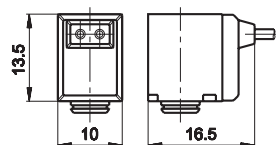
Code	Duty cycle ED (a) %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
		Hold	Inrush			
DE-352	100	1,2	1,2	±10	24 V DC	0,006
DE-355	100	0,5	0,5	±10	24 V DC	0,006
DE-452	100	1,35	1,35	±10	24 V DC	0,006

On request 12 VDC

U04 COIL WITH IN-LINE CONNECTOR


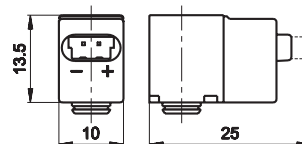
Code	Duty cycle ED (a) %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
		Hold	Inrush			
DE-552	100	1,2	1,2	±10	24 V DC	0,006
DE-555	100	0,5	0,5	±10	24 V DC	0,006
DE-652	100	1,35	1,35	±10	24 V DC	0,006

On request 12 VDC

U04 COIL WITH LOOSE CABLES (LENGTH 300 MM)


Code	Duty cycle ED (a) %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
		Hold	Inrush			
DE-052L030	100	1,2	1,2	±10	24 V DC	0,008

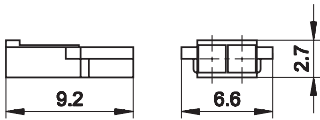
On request 12 VDC
different wire lengths are available upon request

U04 COIL WITH IN-LINE CONNECTOR WITH PROTECTING COVER FOR COMPLETE TIGHTNESS


Code	Duty cycle ED (a) %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
		Hold	Inrush			
DE-642I	100	1,35	1,35	±10	12 V DC	0,006
DE-652I	100	1,35	1,35	±10	24 V DC	0,006
DE-655I	100	0,5	0,5	±10	24 V DC	0,006

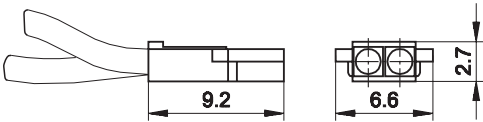
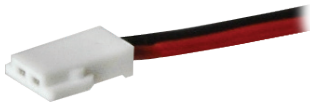
The nanovalves are supplied without coil and connector.

MINIATURE CONNECTOR WITHOUT WIRES



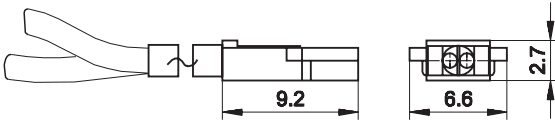
Code	Length (mm)	Coil
D-500	-	Series U04

MINIATURE CONNECTOR WITH LOOSE CABLES



Code	Length (mm)	Coil
D-530-30	300	Series U04
D-530-50	500	Series U04
D-530-200	2000	Series U04

MINIATURE CONNECTOR WITH CABLE



Code	Length (mm)	Coil
D-535-30	300	Series U04
D-535-50	500	Series U04
D-535-200	2000	Series U04

CAUTION! Do not invert the polarity when connecting the coil with LED.

Upon request version with LED

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