



COMPA 2 Miniature Valves

- Compact design: 15 mm body
- Original Univer spool system appreciated for decades
- Wide range of actuators and manual operators for panels - Univer original



Fluid	10 µm filtered air
Ambient temperature	-10 ÷ +45 °C
Fluid temperature	-20 ÷ +50 °C
Commutation system	spool
Ways/Positions	5/2
Pressure	max 10 bar
Control	manual, mechanical
Return	mechanical spring
Connections	M5, for sub-base
Nominal Ø	2 mm
Nominal flow rate	150 NI/min
Valve body	zamak
Guarnizioni	NBR
Actuators	technopolymer
Spool	aluminium
Electropilot	series A
Coil	U05 = 2 W (DC) 2,3 VA (AC)
Voltage	24 V DC - 12 V DC - 24 V AC - 110 V AC - 230 V AC (solo versione con connessione elettrica esterna)
Protection degree	IP65
Manual override	a pulsante incassato 1 posizione



Reference standard

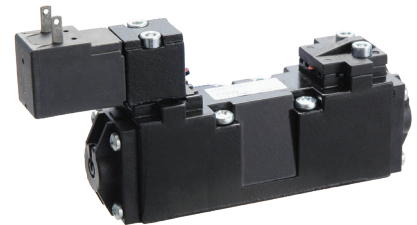
II 2G Ex h IICT5 Gb



II 2D Ex h IIICT100°C Db



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



Ordering codes

- C.C. = closed centres
O.C. = open centres
P.C. = pressurized centres

Series

E

E COMPA 2 Miniature Valves

Type

0 2

- 02 5/2 Sub-base mounting
04 5/2 Threaded body M5
05 5/3 C.C. Sub-base mounting
06 5/3 O.C. Sub-base mounting
07 5/3 P.C. Sub-base mounting
08 5/3 C.C. Threaded body M5
09 5/3 O.C. Threaded body M5
10 5/3 P.C. Threaded body M5

Control 14

2

- 2 Electrical amplified DC
4 Pneumatic amplified
7 Electrical amplified DC/AC

Return 12

2

- 0 Pneumomechanical spring
2 Electrical amplified DC
4 Pneumatic amplified
7 Electrical amplified DC/AC

PNEUMATIC IMPULSE

	Code	Way	Control 12	Return 14	Weight kg
SINGLE PNEUMATIC IMPULSE					

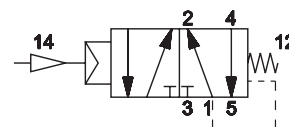

E-0240

5/2

pneumatic
amplified

pneumatic
+ spring

0,068


PNEUMATIC IMPULSE BISTABLE

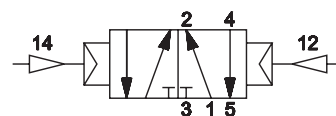
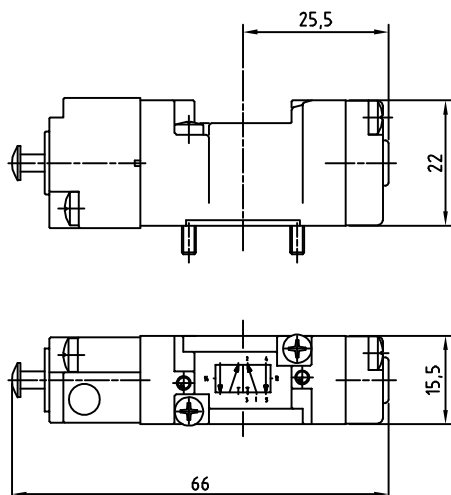
E-0244

5/2

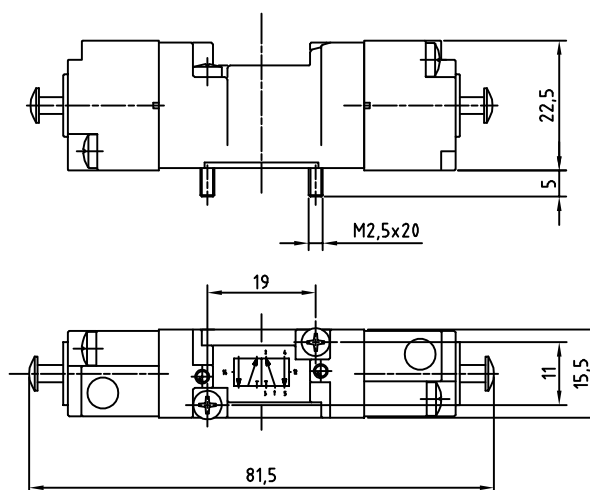
pneumatic
amplified

pneumatic
amplified

0,082


SINGLE PNEUMATIC IMPULSE


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

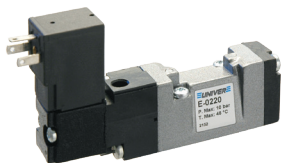
PNEUMATIC IMPULSE BISTABLE


1 = Supply port
2 - 4 = Use
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12 = Return

ELECTRICAL IMPULSE

	Code	Way	Control 12	Return 14	Weight kg	
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SINGLE ELECTRICAL IMPULSE



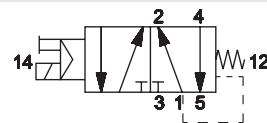
E-0220

5/2

electrical
amplified
DC

pneumatic
+ spring

0,066



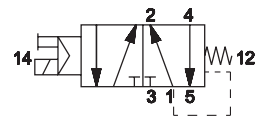
E-0270

5/2

electrical
amplified
DC/AC

pneumatic
+ spring

0,066



ELECTRICAL IMPULSE BISTABLE

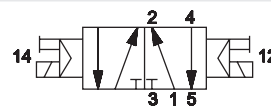
E-0222

5/2

electrical
amplified
DC

electrical
amplified

0,066



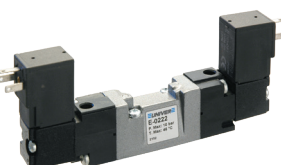
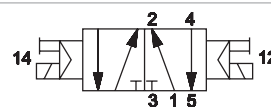
E-0277

5/2

electrical
amplified
DC/AC

electrical
amplified

0,066



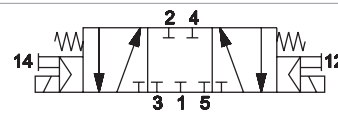
E-0522

5/3 C.C.

electrical
amplified

electrical
amplified

0,066



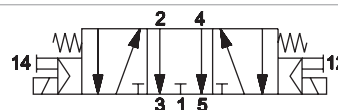
E-0622

5/3 O.C.

electrical
amplified

electrical
amplified

0,066



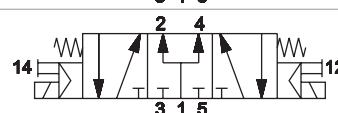
E-0722

5/3 C.P.

electrical
amplified

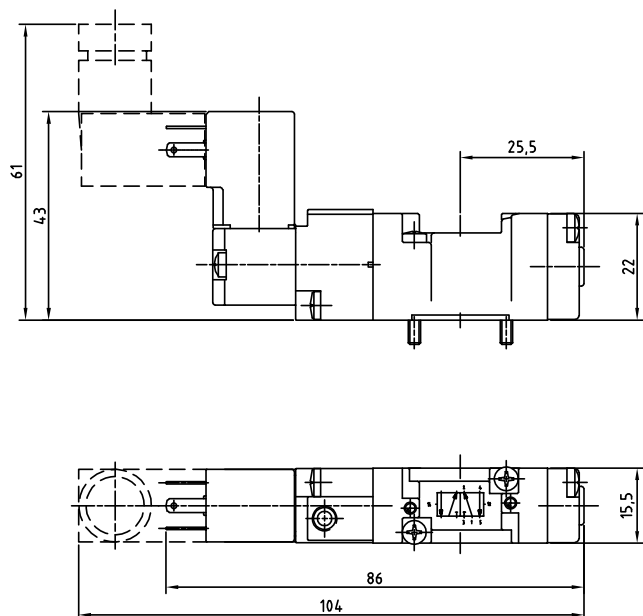
electrical
amplified

0,066



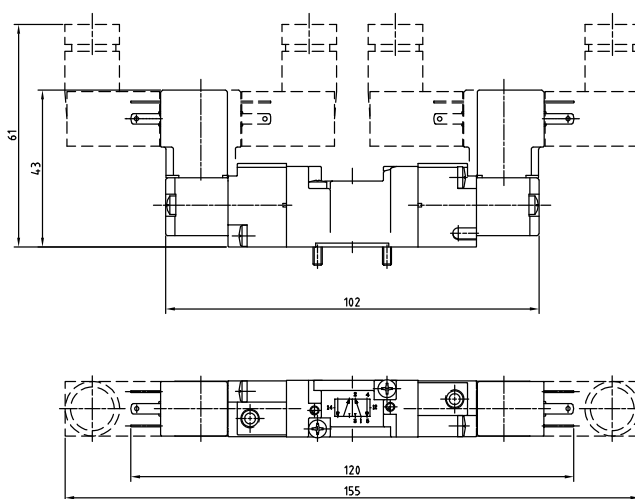
C.C. = closed centres O.C. = open centres P.C. = pressurized centres

SINGLE ELECTRICAL IMPULSE



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

ELECTRICAL IMPULSE BISTABLE



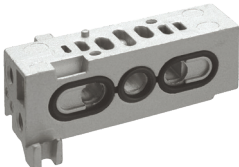
1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

The solenoid valves are supplied without coils

INLET PLATE

	Code	Thread	Material	Weight Kg
	E-4500	G1/8	zama	0,055

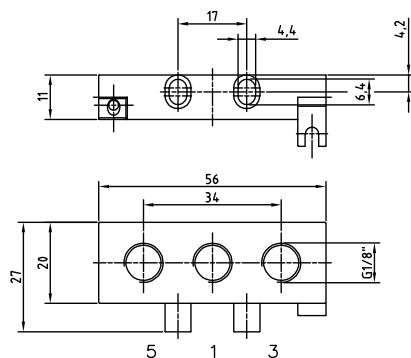
MANIFOLD SUB-BASE, THREADED CONNECTIONS

	Code	Thread	Material	Weight Kg
	E-4500	G1/8	zama	0,095

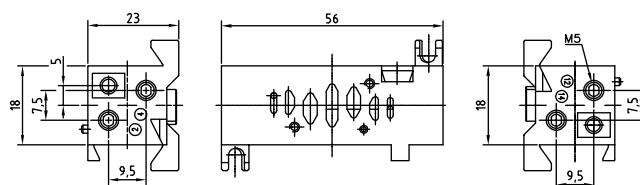
VALVE SEAT COVER PLATE

	Code
	E-4600

INLET PLATE



MANIFOLD SUB-BASE, THREADED CONNECTIONS



The solenoid valves are supplied without coils or connectors

PNEUMATIC IMPULSE

	Code	Way	Thread	Control	Return	Weight
				12	14	kg
SINGLE PNEUMATIC IMPULSE						



E-0440

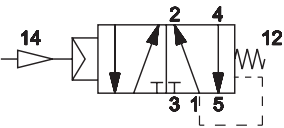
5/2

M5

pneumatic
amplified

pneumatic
+ spring

0,068



PNEUMATIC IMPULSE BISTABLE



E-0444

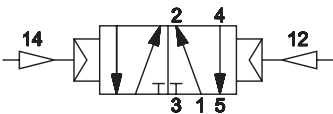
5/2

M5

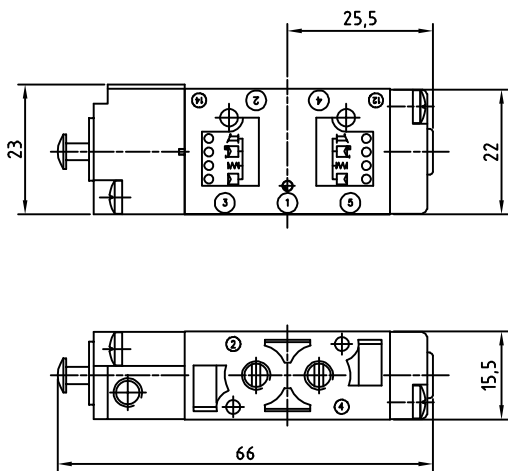
pneumatic
amplified

pneumatic
amplified

0,082

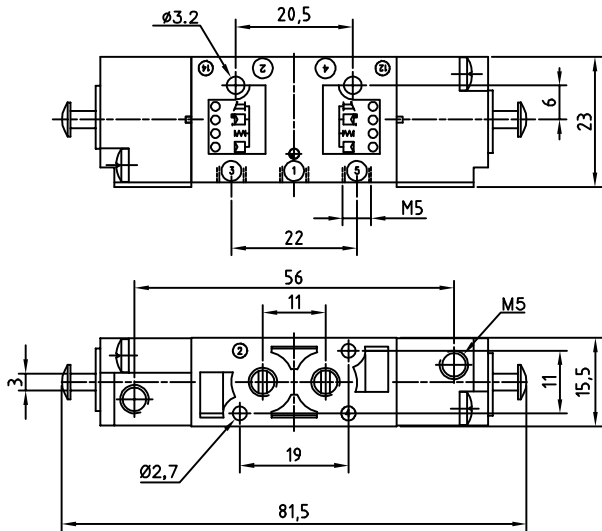


SINGLE PNEUMATIC IMPULSE



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

PNEUMATIC IMPULSE BISTABLE



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

ELECTRIC IMPULSE

	Code	Way	Thread	Control 12	Return 14	Weight kg	
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SINGLE ELECTRIC IMPULSE

	E-0420	5/2	M5	Electrical amplified DC	pneumatic + spring	0,082	
	E-0470	5/2	M5	Electrical amplified DC/AC	pneumatic + spring	0,082	

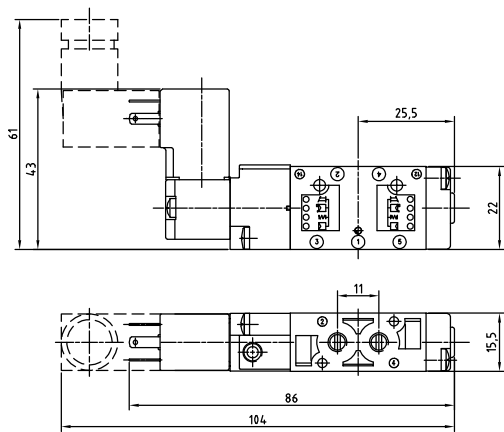
IMPULSE ELECTRIC BISTABLE 5/2

	E-0422	5/2	M5	Electrical amplified DC	Electrical amplified	0,066	
	E-0477	5/2	M5	Electrical amplified DC/AC	Electrical amplified	0,066	

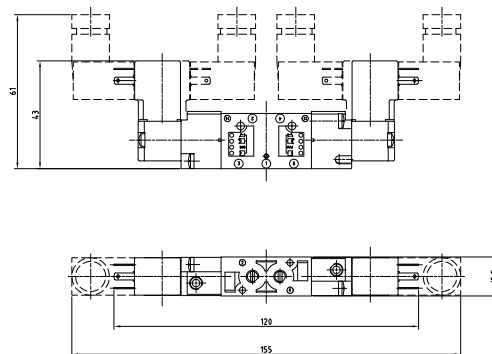
IMPULSE ELECTRIC BISTABLE 5/3

	E-0822	5/3 C.C.	M5	Electrical amplified	Electrical amplified	0,066	
	E-0922	5/3 O.C.	M5	Electrical amplified	Electrical amplified	0,066	
	E-1022	5/3 P.C.	M5	Electrical amplified	Electrical amplified	0,066	

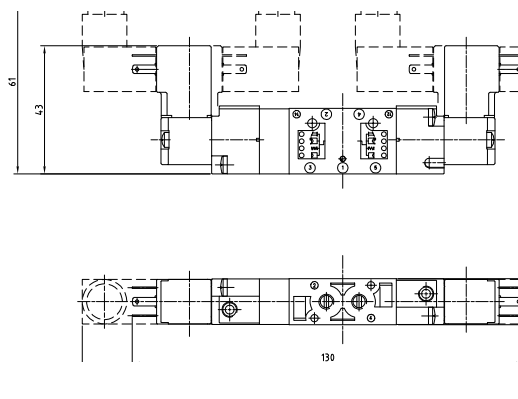
C.C. = closed centres O.C. = open centres P.C. = pressurized centres

SINGLE ELECTRIC IMPULSE


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

IMPULSE ELECTRIC BISTABLE 5/3


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

IMPULSE ELECTRIC BISTABLE 5/2


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

The solenoid valves are supplied without coils or connectors

COIL

CSA/UL

Possibility of replacement without intervention in the pneumatic circuit

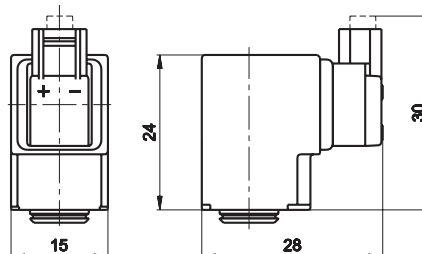
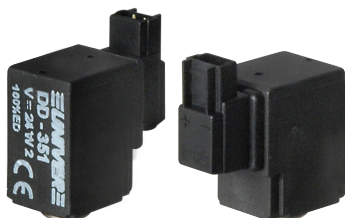
Other voltages available upon request 360° rotation on the pilot. Coil winding: H class

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

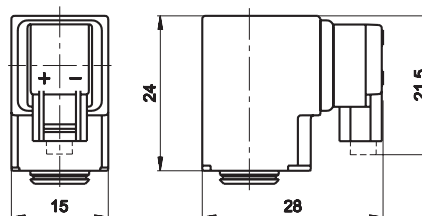
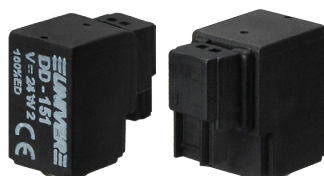
The solenoid valves functioning with 100V-230V must be incorporated (EN60204-1)

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

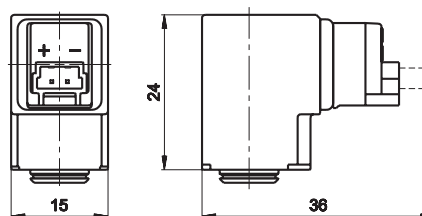
Protection class IP65, if used with connector.


U05 COIL WITH INTEGRATED 90° UPWARD CONNECTOR


Code	Duty cycle ED %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
Hold	Inrush					
DD-351	100	2	2	±10	24 V DC	0,019

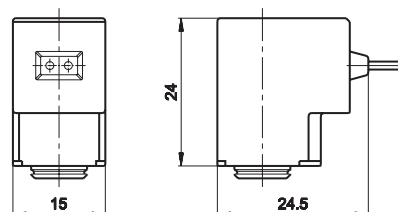
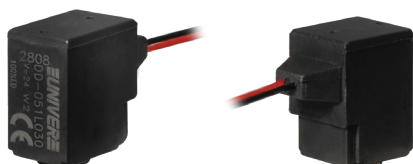
U05 COIL WITH INTEGRATED 90° DOWNWARD CONNECTOR


Code	Duty cycle ED %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
Hold	Inrush					
DD-151	100	2	2	±10	24 V DC	0,019

U05 COIL WITH IN-LINE CONNECTOR


Code	Duty cycle ED %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
Hold	Inrush					
DD-551	100	2	2	±10	24 V DC	0,019

Upon request: version with LED and V DC version

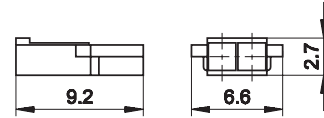
U05 COIL WITH LOOSE CABLES (LENGTH 300 MM)


Code	Duty cycle ED %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
Hold	Inrush					
DD-051L030	100	2	2	±10	24 V DC	0,019
DD-052L030	100	2,5	2,5	±10	24 V DC	0,019

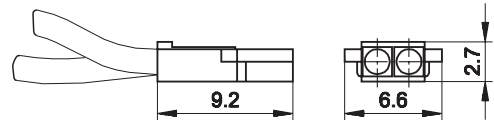
WARNING! Do not invert the polarity when connecting the coil with LED.

Upon request version with LED

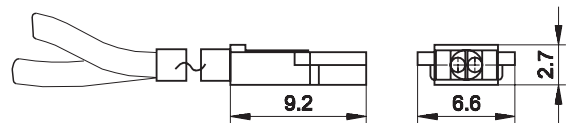
Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated

MINIATURE CONNECTOR WITHOUT WIRES


Code	Length (mm)	Coil
D-500	-	Series U05

MINIATURE CONNECTOR WITH LOOSE CABLES


Code	Length (mm)	Coil
D-530-30	300	Series U05
D-530-50	500	SeriesU05
D-530-200	2000	Serie sU05

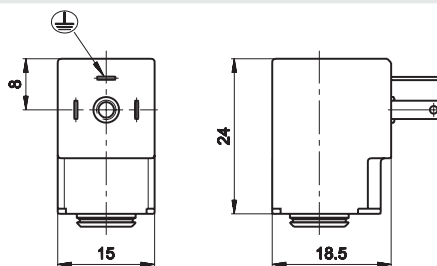
MINIATURE CONNECTOR WITH CABLE


Code	Length (mm)	Coil
D-535-30	300	Series U05
D-535-50	500	SeriesU05
D-535-200	2000	Series U05

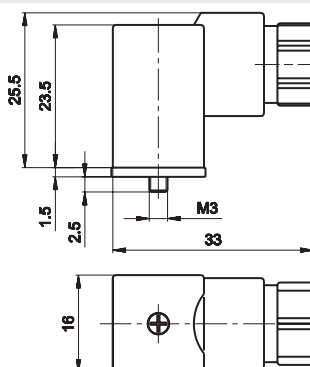
WARNING! Do not invert the polarity when connecting the coil with LED.

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

U05 15 MM COIL - FASTON


Code	Duty cycle ED%	Power consumption W				Tolerance tension %		Rated voltage		Frequency HZ	Weight Kg
		DC W		AC VA							
		Hold	Inrush	Hold	Inrush	DC	AC	DC	AC		
DD-013	100	-	-	3,5	-	-	±10	-	230	50/60	0,019
DD-040	100	-	-	2,3	3,2	-	±10	-	24	50/60	0,019
DD-041	100	2	2	-	-	±10	-	12	-	-	0,019
DD-042	100	2,5	2,5	-	-	±10	-	12	-	-	0,019
DD-050	100	-	-	2,3	3,2	±10	-	-	48	50/60	0,019
DD-051	100	2	2	-	-	±10	-	24	-	-	0,019
DD-052	100	2,5	2,5	-	-	±10	-	24	-	-	0,019
DD-060	100	-	-	-	-	-	±10	-	110	50/60	0,019
DD-070	100	-	-	2,3	3,2	-	-	-	230	50/60	0,019

CONNECTORS 15 MM


Code	Coils series	Protection according	Cable connection	Orientation
AM-5109	U05	IP65	PG9	180°

Available on request with indicator light

WARNING! 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

IMPULSE MECHANICAL AND MANUAL

	Code	Way	Thread	Control 12	Return 14	Colour of lever	Peso kg
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BISTABLE LEVER VALVE



E-15422G	5/2	M5	lever	lever latching	YELLOW	0,068	
E-15422N	5/2	M5	lever	lever latching	BLACK	0,068	
E-15422R	5/2	M5	lever	lever latching	RED	0,068	

BISTABLE SLIDE VALVE



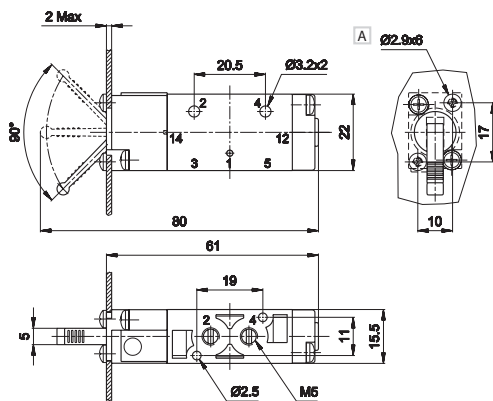
E-15420	5/2	M5	push-pull	push-pull	BLACK	0,082	
E-15420A	5/2	M5	push-pull	mechanical spring latching	BLACK	0,082	

BALL VALVE



E-15402A	5/2	M5	push-pull	mechanical spring	-	0,066	
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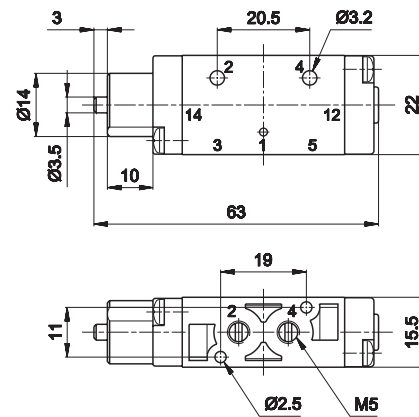
BISTABLE LEVER VALVE



A Nr. 2 screws for plastic

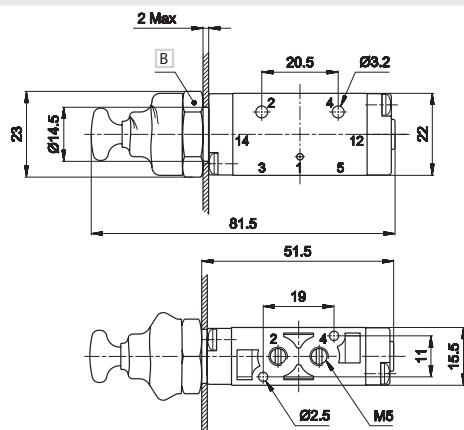
1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

BALL VALVE



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

BISTABLE SLIDE VALVE



B Wrench 20

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

IMPULSE MECHANICAL AND MANUAL

Code	Way	Thread	Control	Return	Weight
			12	14	kg

BALL PUSH VALVE FOR MECHANICAL SCREW OFORATION



E-15403A

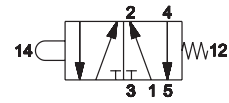
5/2

M5

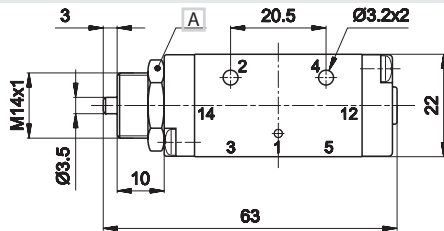
ball-pushrod

mechanical
spring

0,066



BALL PUSH VALVE FOR MECHANICAL SCREW OFORATION



A Wrench 17
1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

PNEUMATIC AND MECHANICAL ACTUATORS

	AI-3550	Pneumatic operator	
	AI-3551	Amplified pneumatic operator	
	AI-3560	Roller operator 1 position	
	AI-3562	Ball-push operator 1 position	
	AI-3563	Operator with omni-directional antenna 1 position	
	AI-3570	Roller lever operator 1 position	
	AI-3571	Articulated roller operator 1 position Complete actuation with stroke 2,5 mm, max stroke 4,7 mm	
	AI-3572	Key operator 1 position	

MANUAL ACTUATORS

	AI-3511	BLACK	Recessed button	
	AI-3512	RED		
	AI-3513	GREEN		
	AI-3514	RED	Head button	
	AI-3516	BLACK		
	AI-3514D	RED		
	AI-3516D	BLACK	Button	
	AI-3515	GREEN		
	AI-3517	RED		
	AI-3519	BLACK	Accident prevention rotating selector	
	AI-3520	BLACK		
	AI-3521	BLACK		
	AI-3522	BLACK	Rotating lever selector	
	AI-3523	BLACK		
	AI-3524	BLACK	Lever operator	
	AI-3525	BLACK	Omni-directional operator	
	AI-3526	BLACK	Push-pull operator	

IMPULSE MECHANICAL AND MANUAL

	Code	Way	Thread	Control 12	Return 14	Weight kg
BALL VALVE FOR MECHANICAL CONTROL FROM A CONTROL PANEL						


E-15403A

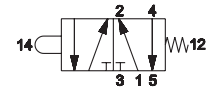
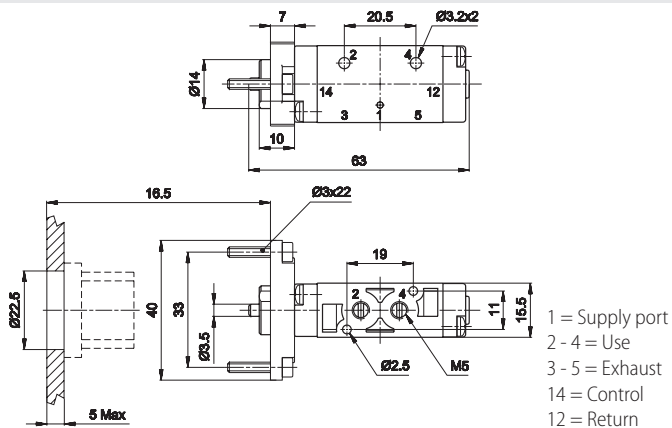
5/2

M5

ball-push

mechanical
spring

0,066


BALL VALVE FOR MECHANICAL CONTROL FROM A CONTROL PANEL

ATTUATORI MANUALI

	AI-3511Q	■ BLACK	Recessed button	
	AI-3512Q	■ RED		
	AI-3513Q	■ GREEN		
	AI-3514Q	■ RED	Head button	
	AI-3516Q	■ BLACK		
	AI-3516QD	■ BLACK		
	AI-3515Q	■ GREEN	Button	
	AI-3517Q	■ RED		
	AI-3519Q	■ BLACK		
	AI-3520Q	■ BLACK	Accident prevention rotating selector	
	AI-3521Q	■ BLACK		
	AI-3522Q	■ BLACK	Rotating lever selector	
	AI-3523Q	■ BLACK		
	AI-3524Q	■ BLACK	Lever operator	
	AI-3525Q	■ BLACK	Omni- directional operator	
	AI-3526Q	■ BLACK	Push-pull operator	