



COMPA 4 Miniature Valves

- Compact dimensions
- Modularity
- High flow rate
- Quick response time



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	for sub-base
Nominal Ø	4 mm
Nominal flow rate	390 NI/min
Valve body	acetalic resin
Seals	NBR
Actuators	technopolymer
Spool	aluminium
Electropilot	series A
Coil	U05
Voltage	24 V DC - 12 V DC - 24 V AC - 110 V AC - 230 V AC (only for version with integrated electrical connection)
Power consumption	2 W (DC) 2,3 VA (AC)
Protection degree	IP65
Manual override	recessed button – 1 position



Reference standard

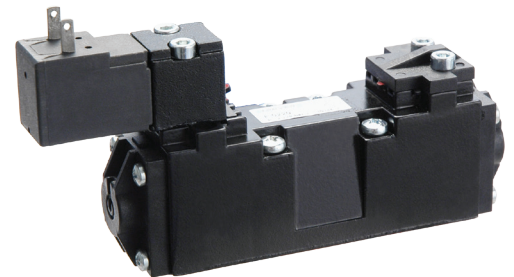
II 2G Ex h IICT5 Gb



II 2D Ex h IIIC T100°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

Type

Control 14

Return 12

F

0 2

2

4

F Compa 4 Miniature Valves

02 5/2 Sub-base mounting
05 5/3 C.C. Sub-base mounting
06 5/3 O.C. Sub-base mounting
07 5/3 P.C. Sub-base mounting

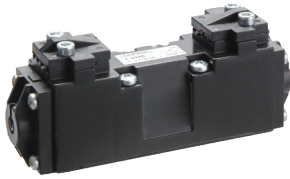
2 Electrical DC
4 Pneumatic
7 Electrical DC/AC

0 Pneumomechanical spring
2 Electrical DC
4 Impulse pneumatic
7 Electrical DC/AC

PNEUMATIC IMPULSE

	Code	Way	Control 12	Return 14	Weight kg	
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SINGLE PNEUMATIC IMPULSE



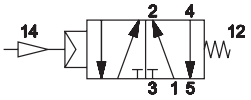
E-0240

5/2

pneumatic
amplified

pneumatic
+ spring

0,068



BISTABLE PNEUMATIC IMPULSE

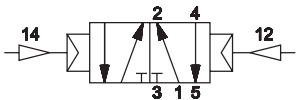
F-0244

5/2

pneumatic
amplified

pneumatic
amplified

0,082



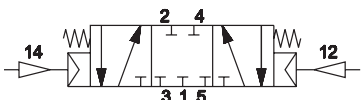
F-0544

5/3 C.C.

pneumatic
amplified

pneumatic
amplified

0,082



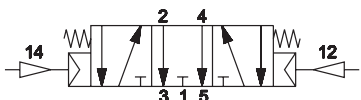
F-0644

5/3 O.C.

pneumatic
amplified

pneumatic
amplified

0,082



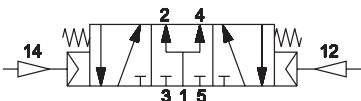
F-0744

5/3 C.P.

pneumatic
amplified

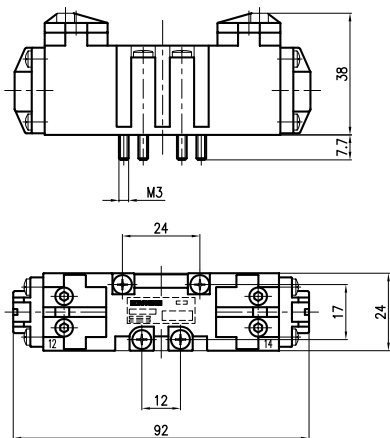
pneumatic
amplified

0,082

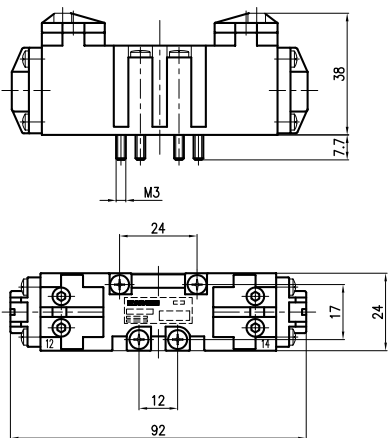


C.C. = closed centres O.C. = open centres P.C. = pressurized centres

SINGLE PNEUMATIC IMPULSE



BISTABLE PNEUMATIC IMPULSE

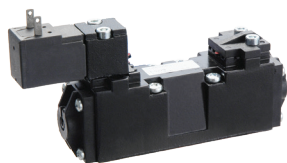


1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

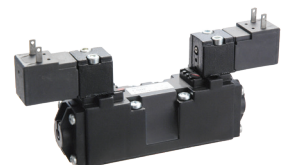
1 = Supply port
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12 = Return

ELECTRICAL IMPULSE

	Code	Way	Control 12	Return 14	Weight kg	
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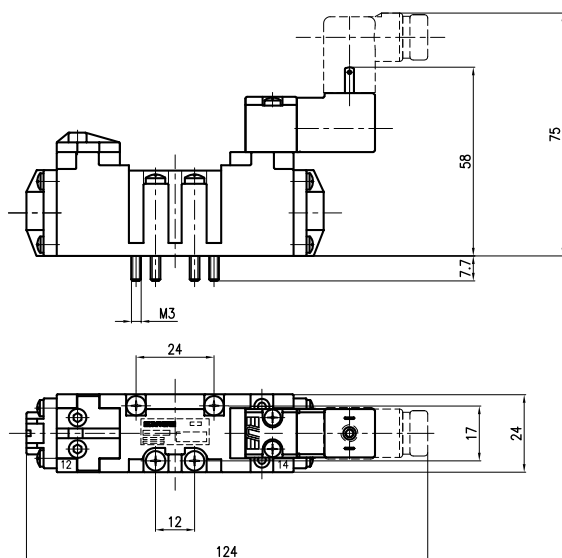
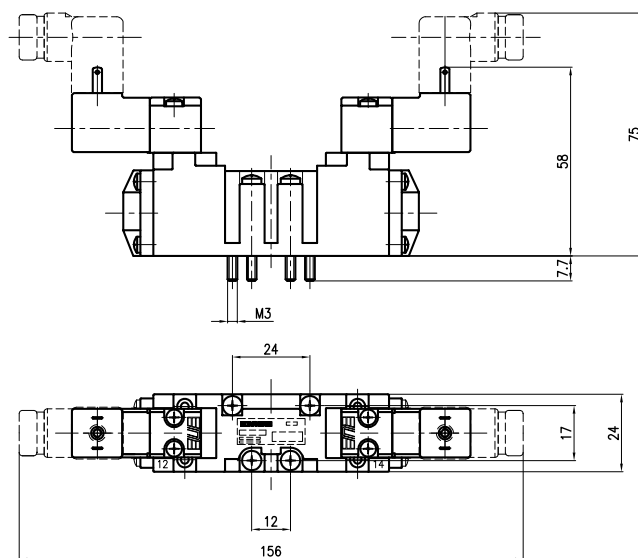
SINGLE ELECTRICAL IMPULSE


F-0220	5/2	electrical amplified DC	pneumatic + spring	0,066	
F-0270	5/2	electrical amplified DC/AC	pneumatic + spring	0,066	

BISTABLE ELECTRICAL IMPULSE


F-0222	5/2	electrical amplified DC	electrical amplified DC	0,066	
F-0277	5/2	electrical amplified DC/AC	electrical amplified DC/AC	0,066	
F-0522	5/3 C.C.	electrical amplified DC	electrical amplified DC	0,066	
F-0577	5/3 C.C.	electrical amplified DC/AC	electrical amplified DC/AC	0,066	
F-0622	5/3 O.C.	electrical amplified DC	electrical amplified DC	0,066	
F-0677	5/3 O.C.	electrical amplified DC/AC	electrical amplified DC/AC	0,066	
F-0722	5/3 C.P.	electrical amplified DC	electrical amplified DC	0,066	
F-0777	5/3 C.P.	electrical amplified DC/AC	electrical amplified DC/AC	0,066	

O.C. = centri aperti C.C. = centri chiusi P.C. = centri in pressione

SINGLE ELECTRICAL IMPULSE

BISTABLE ELECTRICAL IMPULSE


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

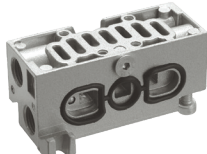
1 = Supply port
2 - 4 = Use
3 - 5 = Exhaust
14 = Control
12 = Return

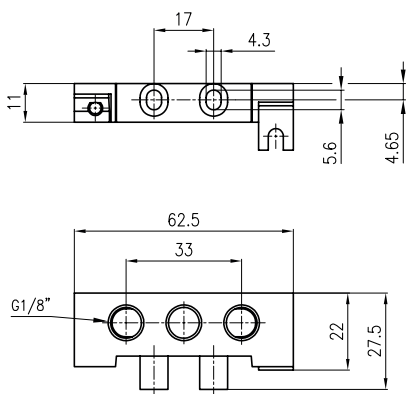
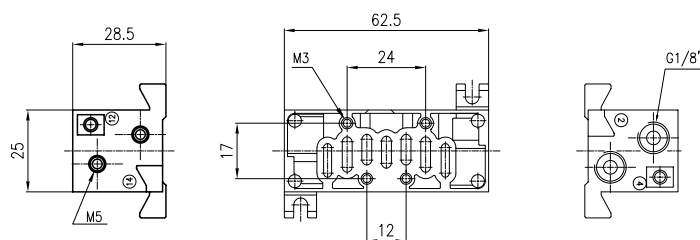
Le elettrovalvole sono fornite senza bobine e connettore

INLET PLATE

	Code	Thread	Material	Weight
	F-4500	G1/8	aluminium	0,050

MANIFOLD SUB-BASE, THREADED CONNECTIONS

	Code	Thread	Material	Weight
	F-4500	G1/8	aluminium	0,062

INLET PLATE

MANIFOLD SUB-BASE, THREADED CONNECTIONS

COIL
CSA/UL

Possibility of replacement without intervention in the pneumatic circuit

Other voltages available upon request

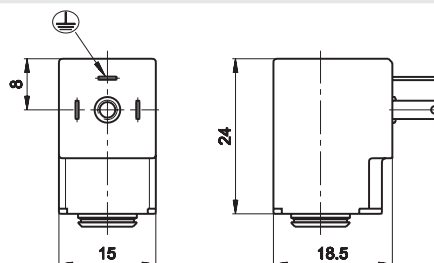
360° rotation on the pilot. Coil winding: H class

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

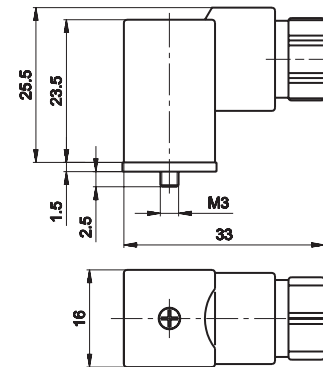
The solenoid valves functioning with 100V-230V must be incorporated (EN60204-1)

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.

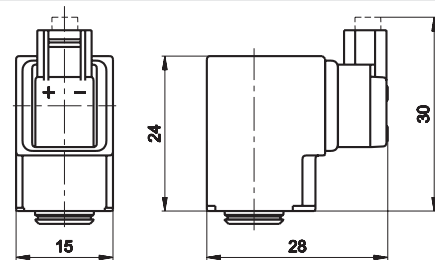
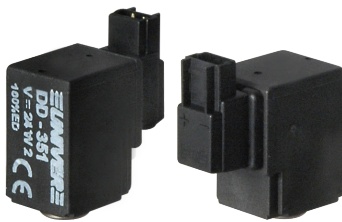

U05 15 MM COIL FASTON


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-040	100	-	-	2,3	3,2	-	±10	-	24	50/60	0,019
DD-041	100	2	2	-	-	±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-060	100	-	-	-	-	-	±10	-	110	50/60	0,019
DD-070	100	-	-	2,3	3,2	-	-	-	230	50/60	0,019

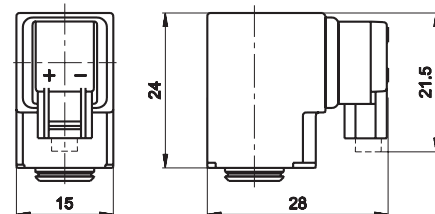
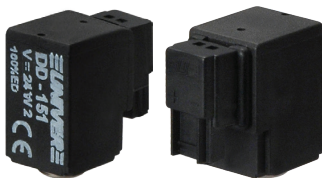
CONNECTORS 15 MM


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

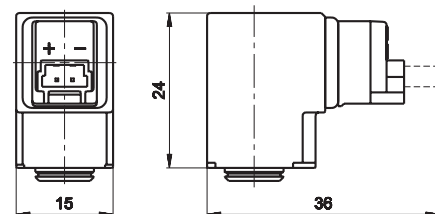
Available on request with indicator light

U05 COIL WITH INTEGRATED 90° UPWARD CONNECTOR


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

U05 COIL WITH IN-LINE CONNECTOR


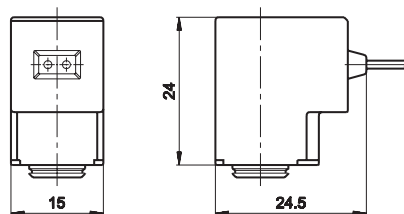
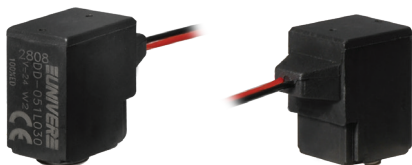
Code	Duty cycle ED %	Power consumption W Hold	Power consumption W Inrush	Tension tolerance %	Rated voltage	Weight Kg
DD-551	100	2	2	±10	24 V DC	0,019

Upon request: version with LED and V DC version

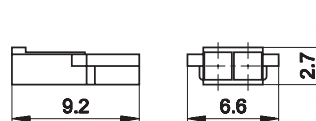
WARNING! Do not invert the polarity when connecting the coil with LED.

Upon request version with LED

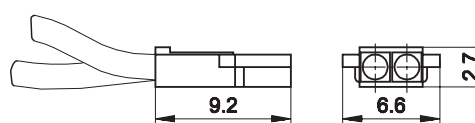
Under continuous service a maximum temperature will not compromise the functioning of the coil provided that the working position is ventilated

U05 COIL WITH LOOSE CABLES (LENGTH 300 MM)


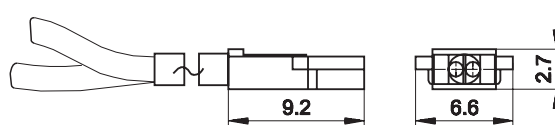
Code	Duty cycle ED %	Power consumption W		Tension tolerance %	Rated voltage	Weight Kg
		Hold	Inrush			
DD-051L030	100	2	2	±10	24 V DC	0,019
DD-052L030	100	2,5	2,5	±10	24 V DC	0,019

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