

AI JET

JET series Pneumatic Switches

- Light with compact design
 - Low operating force and high response time
 - M5 threaded connections or push-in fitting tube Ø4
 - Wide range of actuators and manual overrides for panel mounting
- UNIVER Original

Available ATEX version upon request

CE II 2Gc IIC T5 II 2Dc T100°C



TECHNICAL CHARACTERISTICS

Ambient temperature	-10 ÷ +90 °C
Fluid temperature	max +50 °C
Fluid	50 µm filtered air, with or without lubrication
Commutation system	poppet
Ways/Positions	2/2 NC, 3/2 NC, 3/2 NO
Pressure	max 10 bar
Control	manual, mechanical
Return	mechanical spring
Connections	M5, tube Ø4
Nominal Ø	2,5 mm
Nominal flow rate (NI/min)	70 NI/min

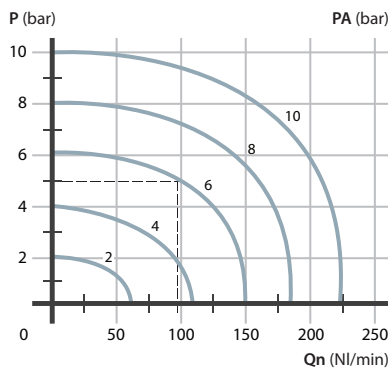
CONSTRUCTIVE CHARACTERISTICS

Valve body	zamak
Seals	nitrile rubber
Spool	nickel-plated brass

OTHER VERSIONS AVAILABLE



Flow rate characteristics

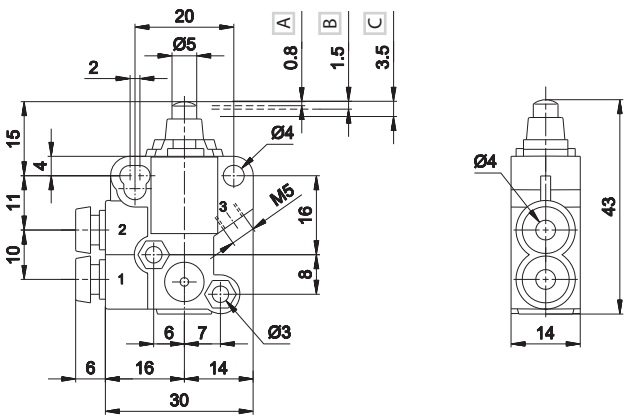


P = Working pressure
PA = Supply pressure
Qn = Flow rate

Ball-push - spring tube Ø4



	Symbol	Connection	Force (a) N	Weight Kg	Part no.
3/2 NC		tube Ø4	14	0,060	AI-9000
3/2 NO		tube Ø4	14	0,060	AI-9010
2/2 NC		tube Ø4	14	0,060	AI-9020



- A

Pre-stroke
- B

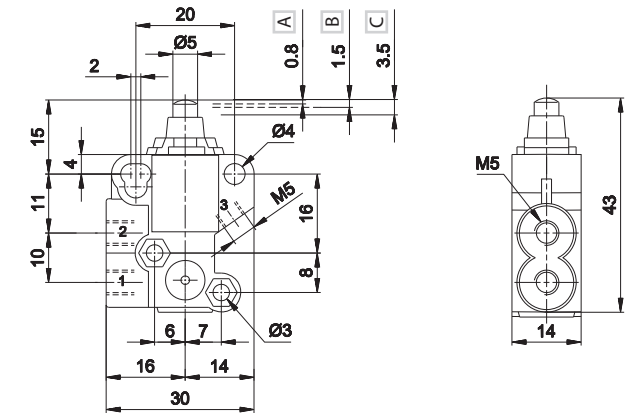
Maximum opening
- C

Total stroke
- 1 = Supply port
- 2 = Use
- 3 = Exhaust

Ball-push - spring M5



	Symbol	Connection	Force (a) N	Weight Kg	Part no.
3/2 NC		M5	14	0,060	AI-9000M
3/2 NO		M5	14	0,060	AI-9010M
2/2 NC		M5	14	0,060	AI-9020M



- A

Pre-stroke
- B

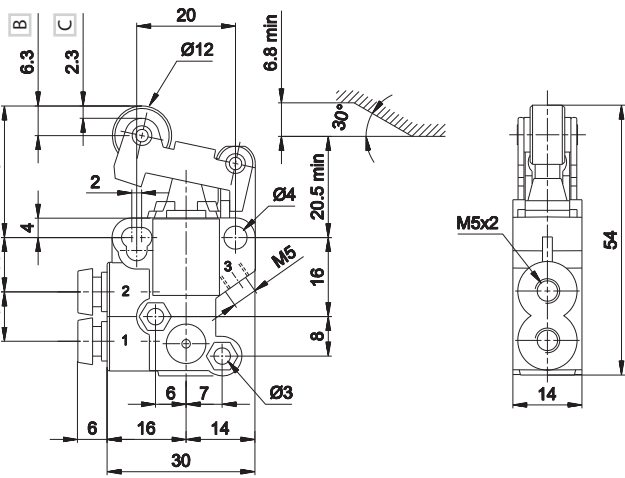
Maximum opening
- C

Total stroke
- 1 = Supply port
- 2 = Use
- 3 = Exhaust

Roller lever - spring tube Ø4



	Symbol	Connection	Force (a) N	Weight Kg	Part no.
3/2 NC		tube Ø4	7	0,085	AI-9100
3/2 NO		tube Ø4	7	0,085	AI-9110
2/2 NC		tube Ø4	7	0,085	AI-9120



- B

Maximum opening
- C

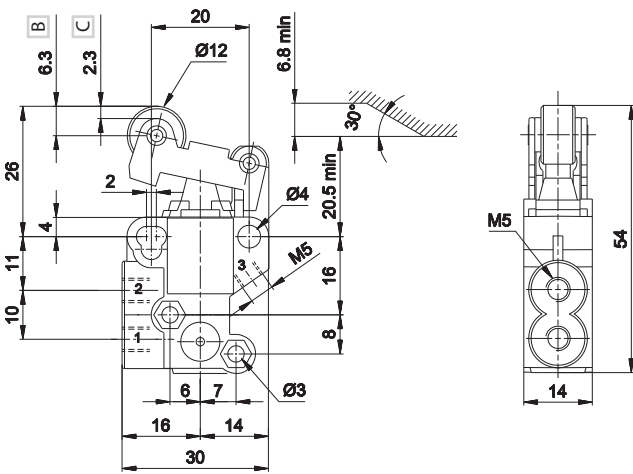
Total stroke
- 1 = Supply port
- 2 = Use
- 3 = Exhaust

(a) = at 6 bar (b) = upon request 2/2 NO version

Roller lever - spring M5



	Symbol	Connection	Force (a) N	Weight Kg	Part no.
3/2 NC		M5	7	0,085	AI-9100M
3/2 NO		M5	7	0,085	AI-9110M
2/2 NC		M5	7	0,085	AI-9120M



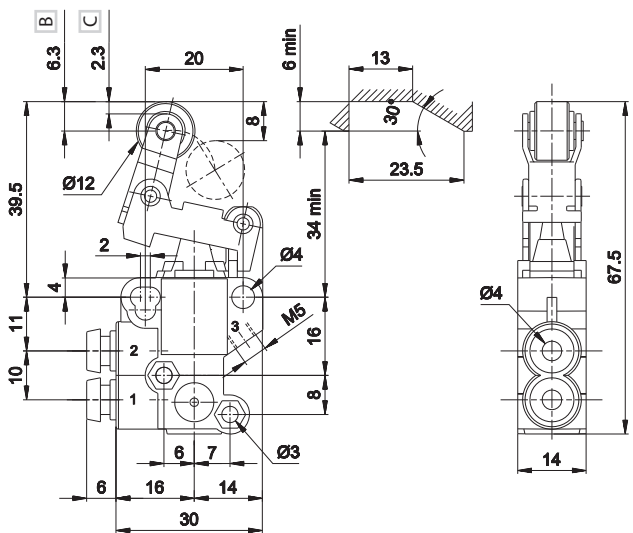
B Maximum opening
C Total stroke

1 = Supply port
2 = Use
3 = Exhaust

Uni-directional roller lever - spring tube Ø4



	Symbol	Connection	Force (a) N	Weight Kg	Part no.
3/2 NC		tube Ø4	4	0,085	AI-9200
3/2 NO		tube Ø4	4	0,085	AI-9210
2/2 NC		tube Ø4	4	0,085	AI-9220



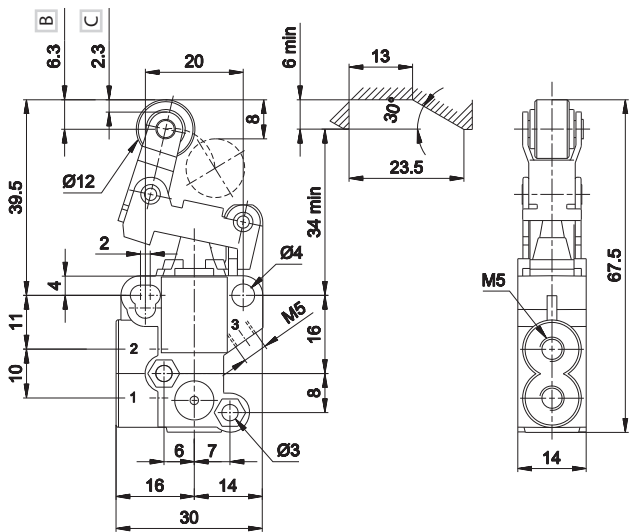
B Maximum opening
C Total stroke

1 = Supply port
2 = Use
3 = Exhaust

Uni-directional roller lever - spring M5



	Symbol	Connection	Force (a) N	Weight Kg	Part no.
3/2 NC		M5	4	0,085	AI-9200M
3/2 NO		M5	4	0,085	AI-9210M
2/2 NC		M5	4	0,085	AI-9220M



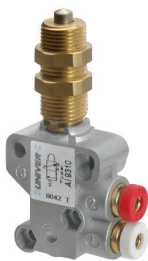
B Maximum opening
C Total stroke

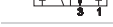
1 = Supply port
2 = Use
3 = Exhaust

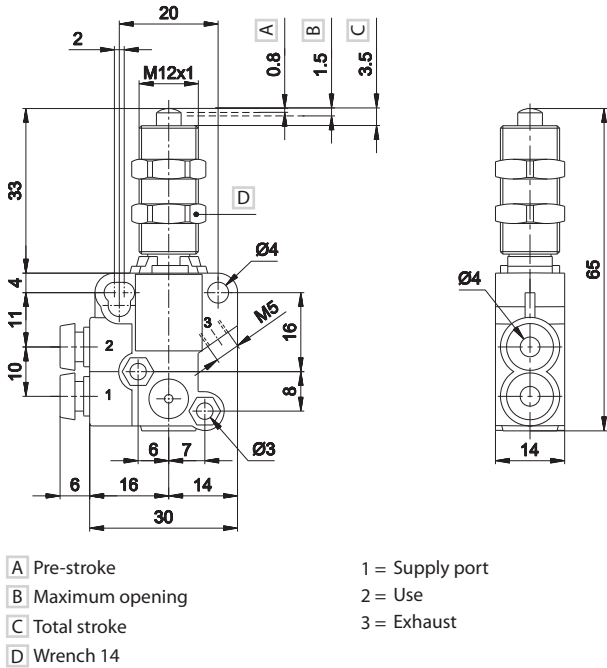
(a) = at 6 bar (b) = upon request 2/2 NO version

Subject to change

Mechanical push button with screw mounting - spring tube Ø4



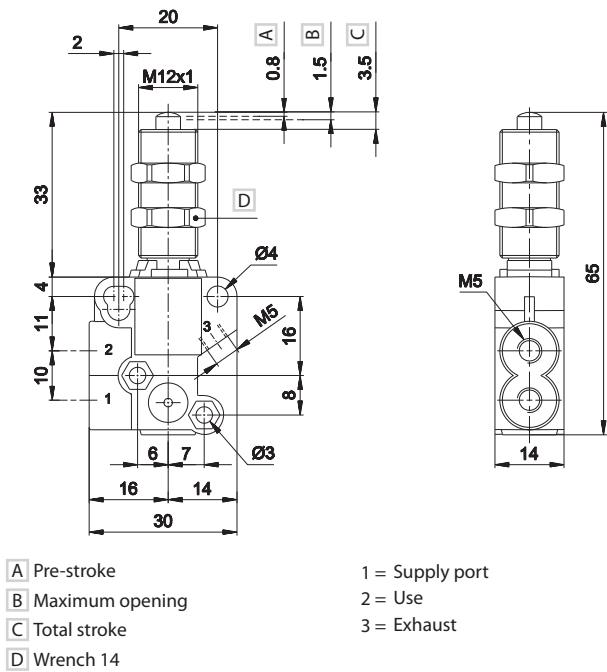
Symbol	Connection	Force (a) N	Weight Kg	Part no.
	tube Ø4	14	0,082	AI-9300
	tube Ø4	14	0,082	AI-9310
	tube Ø4	14	0,082	AI-9320



Mechanical push button with screw mounting - spring M5



Symbol	Connection	Force (a) N	Weight Kg	Part no.
	M5	14	0,082	AI-9300M
	M5	14	0,082	AI-9310M
	M5	14	0,082	AI-9320M



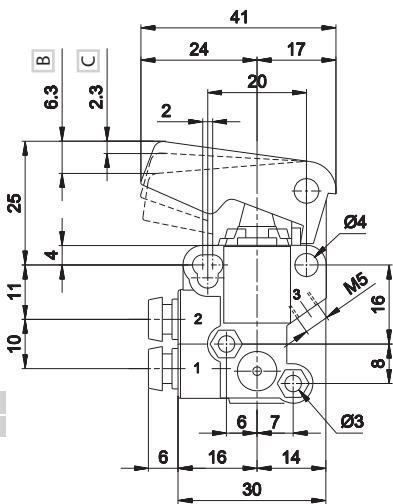
(a) = at 6 bar (b) = upon request 2/2 NO version

Button - spring tube Ø4



	Symbol	Connection	Force (a)		Weight	Part no.
			N	Kg		
3/2 NC		tube Ø4	7	0,065		AI-9350
3/2 NO		tube Ø4	7	0,065		AI-9360
2/2 NC		tube Ø4	7	0,065		AI-9370

Yellow button



B Maximum opening
C Total stroke

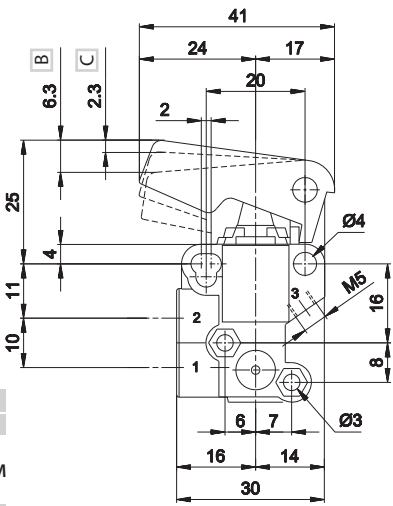
1 = Supply port
2 = Use
3 = Exhaust

Button - spring M5



	Symbol	Connection	Force (a)		Weight	Part no.
			N	Kg		
3/2 NC		M5	7	0,065		AI-9350M
3/2 NO		M5	7	0,065		AI-9360M
2/2 NC		M5	7	0,065		AI-9370M

Yellow button



B Maximum opening
C Total stroke

1 = Supply port
2 = Use
3 = Exhaust

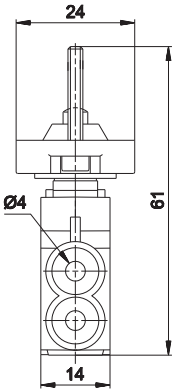
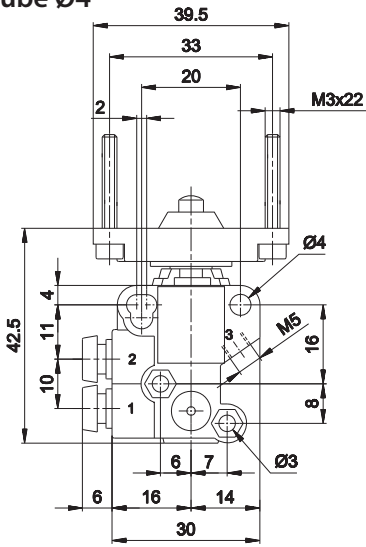
(a) = at 6 bar (b) = upon request 2/2 NO version

Subject to change

Mechanical push button for panel mounting - spring tube Ø4



	Symbol	Connection	Force (a)		Part no.
			N	Kg	
3/2 NC		tube Ø4	14	0,075	AI-9400
3/2 NO		tube Ø4	14	0,075	AI-9410
2/2 NC		tube Ø4	14	0,075	AI-9420

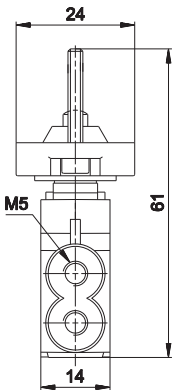
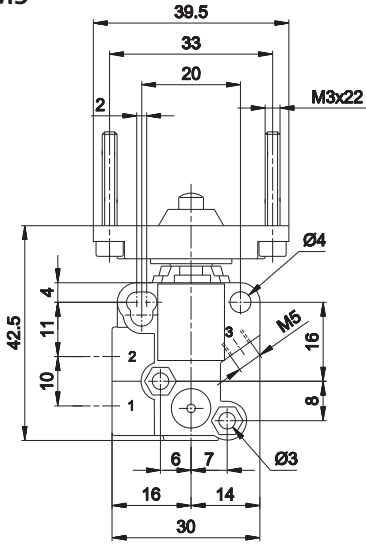


1 = Supply port
2 = Use
3 = Exhaust

Mechanical push button for panel mounting - spring M5



	Symbol	Connection	Force (a)		Part no.
			N	Kg	
3/2 NC		M5	14	0,075	AI-9400M
3/2 NO		M5	14	0,075	AI-9410M
2/2 NC		M5	14	0,075	AI-9420M



1 = Supply port
2 = Use
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MANUAL ACTUATORS

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

(a) = at 6 bar (b) = upon request 2/2 NO version
For actuator dimensions refer to section "Accessories>Actuators"