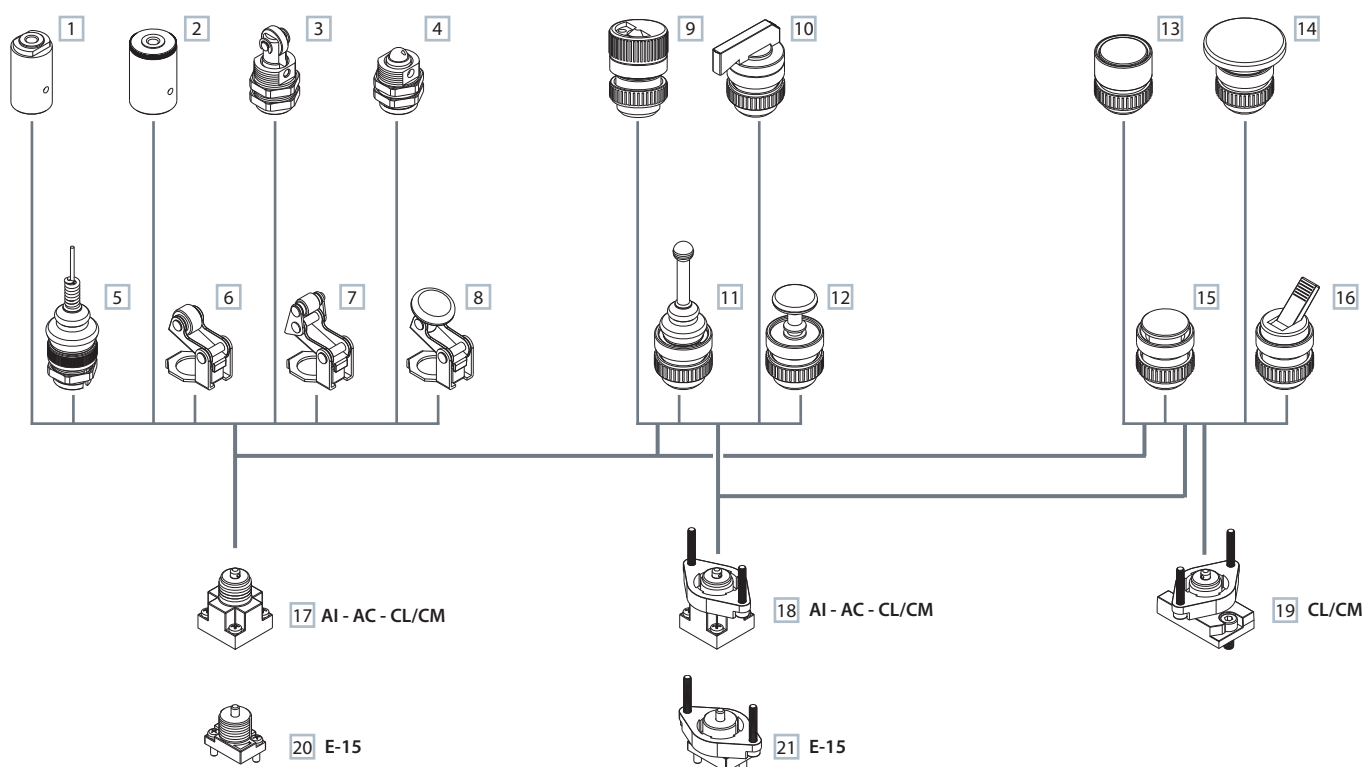


# BUTTONS



## Modular system actuators/buttons



### PNEUMATIC / MECHANICAL ACTUATORS

- 1 Pneumatic actuator
- 2 Amplified pneumatic actuator
- 3 Roller operator 1 position
- 4 Ball-push operator 1 position
- 5 Operator with omni-directional antenna 1 position
- 6 Roller lever operator 1 position
- 7 Articulated roller lever operator 1 position
- 8 Key operator 1 position

### MANUAL ACTUATORS

- 9 Rotating selector
- 10 Rotating lever selector
- 11 Omni-directional operator
- 12 Push-pull operator
- 13 Recessed button
- 14 Head button
- 15 Button
- 16 Lever operator

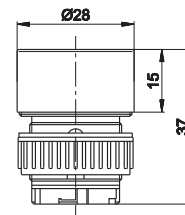
### OVERRIDE

- 17 Threaded indirect operation
- 18 Indirect operation for panel mounting
- 19 Direct operation for panel mounting
- 20 Direct operation with tappet
- 21 Direct operation with tappet for panel mounting

## Recessed button



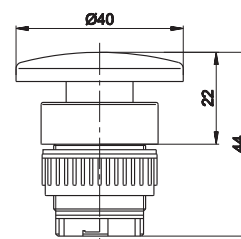
| Symbol                                                                            | Colour  | Force <sup>(a)</sup><br>N | Weight<br>Kg | Part no. |
|-----------------------------------------------------------------------------------|---------|---------------------------|--------------|----------|
| <b>1 POSITION</b>                                                                 |         |                           |              |          |
|  | black ■ | 16                        | 0,031        | AI-3511  |
|                                                                                   | red ■   | 16                        | 0,031        | AI-3512  |
|                                                                                   | green ■ | 16                        | 0,031        | AI-3513  |
| <b>FOR PANEL MOUNTING 1 POSITION<sup>(b)</sup></b>                                |         |                           |              |          |
|  | black ■ | 16                        | 0,031        | AI-3511Q |
|                                                                                   | red ■   | 16                        | 0,031        | AI-3512Q |
|                                                                                   | green ■ | 16                        | 0,031        | AI-3513Q |



## Head button



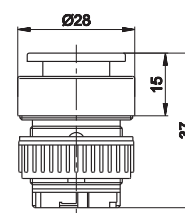
| Symbol                                                                            | Colour  | Force <sup>(a)</sup><br>N | Weight<br>Kg | Part      |
|-----------------------------------------------------------------------------------|---------|---------------------------|--------------|-----------|
| <b>1 POSITION</b>                                                                 |         |                           |              |           |
|  | red ■   | 16                        | 0,022        | AI-3514   |
|                                                                                   | black ■ | 16                        | 0,022        | AI-3516   |
| <b>FOR PANEL MOUNTING 1 POSITION<sup>(b)</sup></b>                                |         |                           |              |           |
|  | red ■   | 16                        | 0,022        | AI-3514Q  |
|                                                                                   | black ■ | 16                        | 0,022        | AI-3516Q  |
| <b>2 POSITIONS</b>                                                                |         |                           |              |           |
|  | red ■   | 16                        | 0,022        | AI-3514D  |
|                                                                                   | black ■ | 16                        | 0,022        | AI-3516D  |
| <b>FOR PANEL MOUNTING 2 POSITIONS<sup>(b)</sup></b>                               |         |                           |              |           |
|  | red ■   | 16                        | 0,022        | AI-3514QD |
|                                                                                   | black ■ | 16                        | 0,022        | AI-3516QD |



## Button



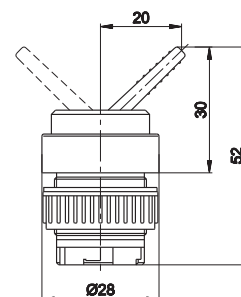
| Symbol                                                                              | Colour  | Force <sup>(a)</sup><br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|---------|---------------------------|--------------|----------|
| <b>1 POSITION</b>                                                                   |         |                           |              |          |
|  | green ■ | 12,5                      | 0,025        | AI-3515  |
|                                                                                     | red ■   | 12,5                      | 0,025        | AI-3517  |
|                                                                                     | black ■ | 12,5                      | 0,025        | AI-3519  |
| <b>FOR PANEL MOUNTING 1 POSITION<sup>(b)</sup></b>                                  |         |                           |              |          |
|  | green ■ | 12,5                      | 0,025        | AI-3515Q |
|                                                                                     | red ■   | 12,5                      | 0,025        | AI-3517Q |
|                                                                                     | black ■ | 12,5                      | 0,025        | AI-3519Q |



## Lever operator



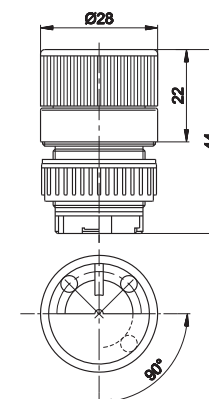
| Symbol                                                                              | Colour  | Force <sup>(a)</sup><br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|---------|---------------------------|--------------|----------|
| <b>2 POSITIONS</b>                                                                  |         |                           |              |          |
|  | black ■ | 6                         | 0,022        | AI-3524  |
| <b>FOR PANEL MOUNTINGS 2 POSITIONS<sup>(b)</sup></b>                                |         |                           |              |          |
|  | black ■ | 6                         | 0,022        | AI-3524Q |



## Accident prevention rotating selector



| Symbol                                                                              | Colour  | Force <sup>(a)</sup><br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|---------|---------------------------|--------------|----------|
| <b>WITH INDICATOR LAMP 1 POSITION</b>                                               |         |                           |              |          |
|  | black ■ | 12,5                      | 0,025        | AI-3521  |
| <b>FOR PANEL MOUNTING WITH INDICATOR LAMP 1 POSITION<sup>(b)</sup></b>              |         |                           |              |          |
|  | black ■ | 12,5                      | 0,025        | AI-3521Q |
| <b>WITH INDICATOR LAMP 2 POSITIONS</b>                                              |         |                           |              |          |
|  | black ■ | 12,5                      | 0,025        | AI-3520  |
| <b>FOR PANEL MOUNTING WITH INDICATOR LAMP 2 POSITIONS<sup>(b)</sup></b>             |         |                           |              |          |
|  | black ■ | 12,5                      | 0,025        | AI-3520Q |

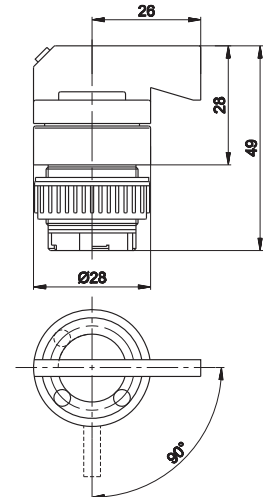


(a) = force at 6 bar with actuators assembled on AI-35.. standard limit switch  
 (b) = to be used with valves preset with flange for panel mounting

## Rotating lever selector



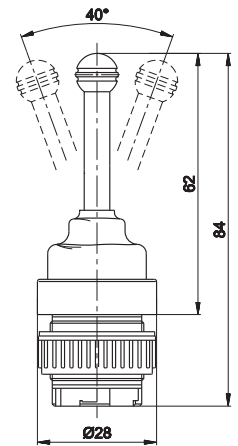
| Symbol                                                                            | Colour  | Force (a)<br>N | Weight<br>Kg | Part no. |
|-----------------------------------------------------------------------------------|---------|----------------|--------------|----------|
| WITH INDICATOR LAMP 1 POSITION                                                    |         |                |              |          |
|  | black ■ | 12,5           | 0,025        | AI-3523  |
| FOR PANEL MOUNTING WITH INDICATOR LAMP 1 POSITION(b)                              |         |                |              |          |
|  | black ■ | 12,5           | 0,025        | AI-3523Q |
| WITH INDICATOR LAMP 2 POSITIONS                                                   |         |                |              |          |
|  | black ■ | 12,5           | 0,025        | AI-3522  |
| FOR PANEL MOUNTING WITH INDICATOR LAMP 2 POSITIONS(b)                             |         |                |              |          |
|  | black ■ | 12,5           | 0,025        | AI-3522Q |



## Omni-directional operator



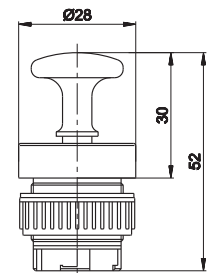
| Symbol                                                                              | Colour | Force (a)<br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|--------|----------------|--------------|----------|
| WITH CENTRE RETURN 1 POSITION                                                       |        |                |              |          |
|  | ■      | 7              | 0,029        | AI-3525  |
| FOR PANEL MOUNTING WITH CENTRE RETURN 1 POSITION (b)                                |        |                |              |          |
|  | ■      | 7              | 0,029        | AI-3525Q |



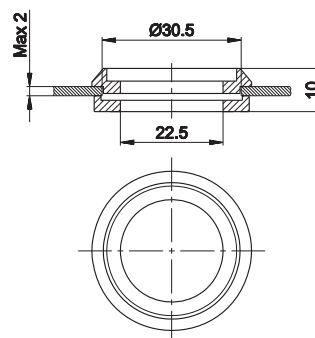
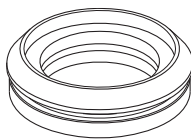
## Push-pull operator



| Symbol                                                                              | Colour  | Force (a)<br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|---------|----------------|--------------|----------|
| 2 POSITIONS                                                                         |         |                |              |          |
|  | black ■ | 16             | 0,029        | AI-3526  |
| FOR PANEL MOUNTING 2 POSITIONS(b)                                                   |         |                |              |          |
|  | black ■ | 16             | 0,029        | AI-3526Q |



## AI-3529



reducer for Ø 30,5 to Ø 22,5, to be used with AI-35..Q limit switches  
(for details refer to next page)

(a) = force at 6 bar with actuators assembled on AI-35..

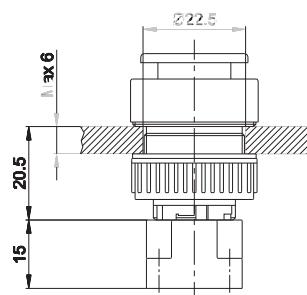
(b) = to be used with valves preset with flange for panel mounting

## Reducer

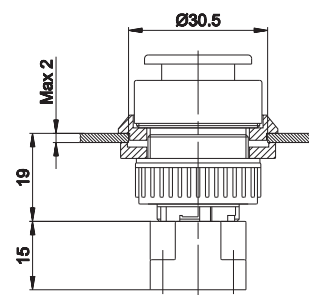


### Manual actuators for screw mounting (ring nut)

Panel mounting for Ø 22,5 bore sizes

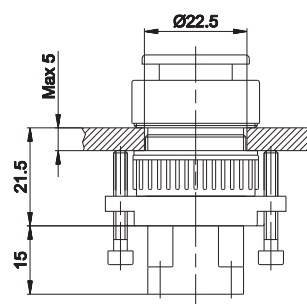


Panel mounting for Ø 30,5 bore sizes



### Manual actuators for panel mounting (ring nut+screws)

Panel mounting for Ø 22,5 bore sizes

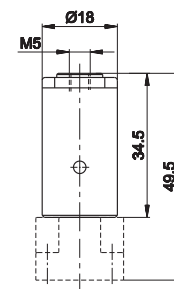


Panel mounting for Ø 30,5 bore sizes, just for manual actuators with screw

## Pneumatic operator



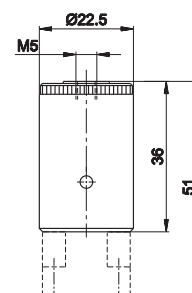
| Symbol                                                                            | Control pressure<br>bar | Operating pressure<br>bar | Weight<br>Kg | Part no. |
|-----------------------------------------------------------------------------------|-------------------------|---------------------------|--------------|----------|
|  | 1,9÷2,7                 | 1÷9                       | 0,020        | AI-3550  |



## Amplified pneumatic operator



| Symbol                                                                            | Control pressure<br>bar | Operating pressure<br>bar | Weight<br>Kg | Part no. |
|-----------------------------------------------------------------------------------|-------------------------|---------------------------|--------------|----------|
|  | 0,6÷0,9                 | 1÷9                       | 0,030        | AI-3551  |



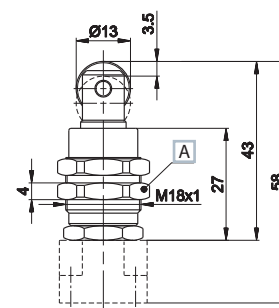
## Roller operator



| Symbol                                                                              | Force (a)<br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|----------------|--------------|----------|
|  | -              | 0,031        | AI-3560  |

 Wrench 20

WITH DUST PROTECTION



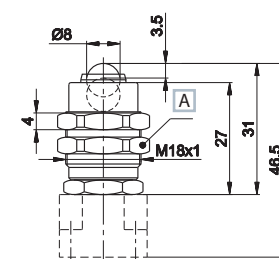
## Ball-push operator



| Symbol                                                                              | Force (a)<br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|----------------|--------------|----------|
|  | 26             | 0,023        | AI-3562  |

 Wrench 20

WITH DUST PROTECTION



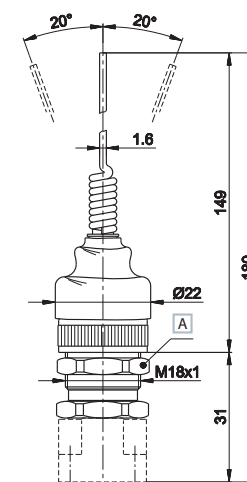
## Operator with omni-directional antenna



| Symbol                                                                              | Force (a)<br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|----------------|--------------|----------|
|  | 3,3            | 0,034        | AI-3563  |

 Wrench 20

1 POSITION WITH CENTRE RETURN



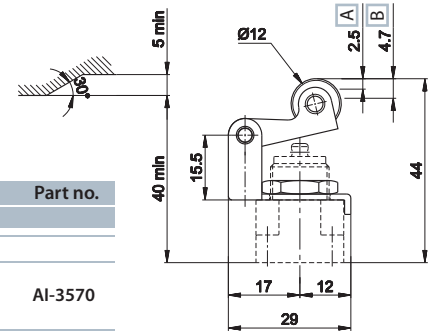
(a) = force at 6 bar with actuators assembled on AI-35..standard limit switch

## Roller lever operator



A Max opening  
B Total stroke

| Symbol                                                                            | Force (a)<br>N | Weight<br>Kg | Part no. |
|-----------------------------------------------------------------------------------|----------------|--------------|----------|
| 1 POSITION                                                                        |                |              |          |
|  | 10             | 0,021        | AI-3570  |

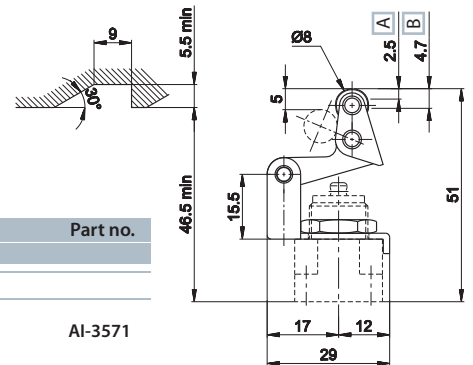


## Articulated roller operator



A Max opening  
B Total stroke

| Symbol                                                                            | Force (a)<br>N | Weight<br>Kg | Part no. |
|-----------------------------------------------------------------------------------|----------------|--------------|----------|
| 1 POSITION                                                                        |                |              |          |
|  | 10             | 0,021        | AI-3571  |

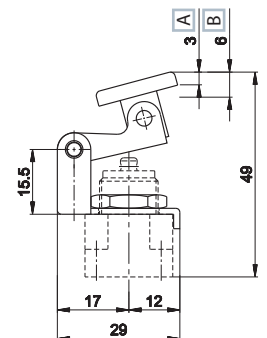


## Key operator



A Max opening  
B Total stroke

| Symbol                                                                              | Force (a)<br>N | Weight<br>Kg | Part no. |
|-------------------------------------------------------------------------------------|----------------|--------------|----------|
| 1 POSITION                                                                          |                |              |          |
|  | 10             | 0,021        | AI-3572  |



(a) = force at 6 bar with actuators assembled on AI-35..