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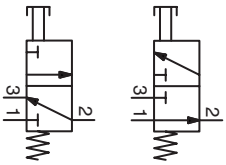
# MANUALLY OPERATED PILOT VALVE

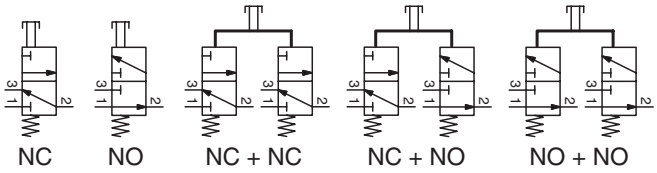
for panel mounting Ø 22
instant fittings for Ø 4 mm O.D. tube or G 1/8



**3/2**
Series
**307**

## FEATURES

- *Microvalve composed of an operating head, an adaptor, an intermediary subbase and one or two pneumatic modules.*
- *Modules allowing the following combination of functions:*




- *Adaption of metal or plastic buttons designed to meet the highest quality standards.*
- *Secure and robust fastening of the button on the microvalve.*

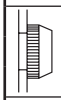
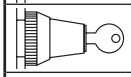
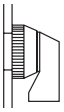
## GENERAL

| | |
|---|---|
| **Fluid** | Air filtered, lubricated or no |
| **Ports** | Instant fittings Ø 4 O.D. or G 1/8 |
| **Operating pressure** | 0 to 8 bar |
| **Ambient temperature** | -5°C to +60°C |
| **Operators** | Manual |
| **Flow (Qv at 6 bar)** | 112 l/min (ANR) |
| **Nominal diameter** | 2 mm |

## CONSTRUCTION

| | |
|---|---|
| **Popet valve construction** | Internal parts in stainless steel and elastomer |
| **Body diecast** | Exhaust port not tapped |

## SPECIFICATIONS - METAL operating head and adaptator

| | pilot valve | | | operating head | adaptator | | intermediary subbase + pneumatic(s) module(s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | or | | = | | +  | + | | or | | |
| | **designation** | **type** | **color** | **cat. number** | **cat. number** | | **connect.** | **cat. number** | | **cat. number** | |
|  | flush push button | impulse | black | **88130757** | | | | | | | |
| | | | green | **88130758** | | | | | | | |
| | | | red | **88130759** | | | | | | | |
| | mushroom* button Ø 40 | push-turn | red | **88130770** | | | | | | | |
| | | push-pull | red | **88130752** | | | | | | | |
| | | impulse | red | **88130762** | | | | | | | |
| | | | black | **88130763** | | | | | | | |
| | Ø 60 | impulse | black | **88130772** | | | | | | | |
| | switch button | 2 positions fixed | black | **88130771** | **88130754** | + | Ø 4 mm O.D. | NC | **30701009** | NC+NC | **30701011** |
| | | | | | | | | NO | **30701010** | NC+NO | **30701012** |
|  | key operated button | key removal at 0 and 1 | black | **88130761** | | | G1/8 | NC | **30701013** | NC+NC | **30701015** |
| | | | | | | | | NO | **30701014** | NC+NO | **30701016** |
|  | lever switch button | 2 positions fixed 0 1 | black | **88130760** | | | | | | | |
| | | 3 positions fixed 1 0 2 | black | **88130767** | | | | | | | |
| | | 3 positions self centring 1 0 2 | black | **88130766** | | | | | | | |

*These componants are not security mechanism

**Order example :**
1 pilot valve, instant fittings ports, with impulse black flush push button, NC :
*1x* **88130757** + *1x* **88130754** + *1x* **30701009**

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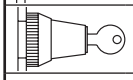
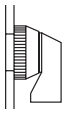
## SPECIFICATIONS - PLASTIC operating head and adaptator

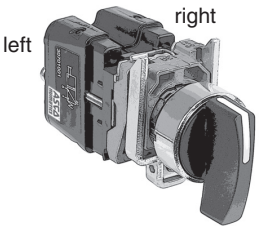
| | | | pilot valve | operating head | adaptator | | intermediary subbase + pneumatic module(s) | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | or | = | + | + | | or | | | |
| | designation | type | color | cat. number | cat. number | | connect. | cat. number | | cat. number | |
| | flush push button | impulse | black | **88130745** | **88130753** | + | | | | | |
| | | | green | **88130744** | | | | | | | |
| | | | red | **88130743** | | | | | | | |
| | mushroom* button Ø 40 | push-turn | red | **88130740** | | | | | | | |
| | | impulse | red | **88130741** | | | | | | | |
| | | | black | **88130742** | | |  Ø 4 mm O.D. | NC | **30701009** | NC+NC | **30701011** |
| | Ø 60 | impulse | black | **88130748** | | | | NO | **30701010** | NC+NO | **30701012** |
| | switch button | 2 positions fixed | black | **88130739** | | | G1/8 | NC | **30701013** | NC+NC | **30701015** |
|  | key operated button | key removal at 0 and 1 | black | **88130738** | | | | NO | **30701014** | NC+NO | **30701016** |
|  | lever switch button | 2 positions fixed | black | **88130737** | | | | | | | |
| | | 3 positions fixed | black | **88130736** | | | | | | | |
| | | 3 positions self centring | black | **88130735** | | | | | | | |

*These componants are not security mechanism

**Order example:**
1 pilot valve, connection G 1/8, with impulse red flush push button, NC+NC :
*1x* **88130743** + *1x* **88130753** + *1x* **30701015**

## OPERATION OF 3 POSITION SWITCHES

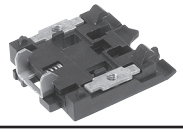
| type | | operation on module left | operation on module right |
|---|---|---|---|
| 3 positions fixed | | not operated | not operated |
| | | not operated | operated |
| | | operated | not operated |
| 3 positions self centring | | not operated | not operated |
| | | not operated | operated |
| | | operated | not operated |




## SEPARATED PNEUMATIC MODULES

| connection | function | cat. number |
|---|---|---|
| instant fittings Ø 4 mm O.D. | NC | **30701001** |
| | NO | **30701002** |
| tapped G 1/8 | NC | **30701005** |
| | NO | **30701006** |

## INTERMEDIARY SUBBASE

| | cat. number |
|---|---|
|  | **88130775** |

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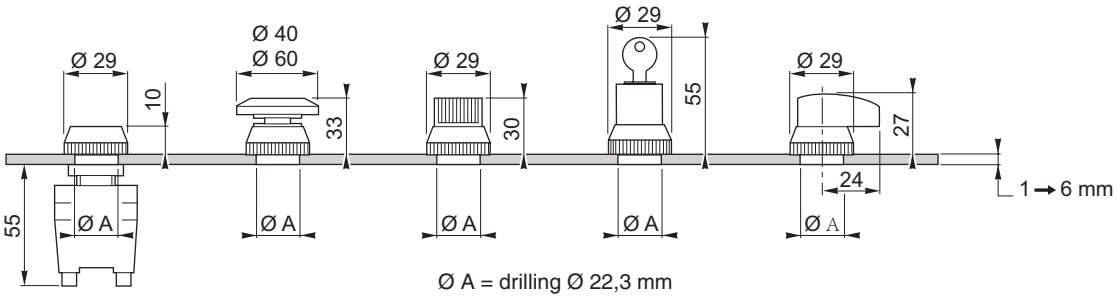
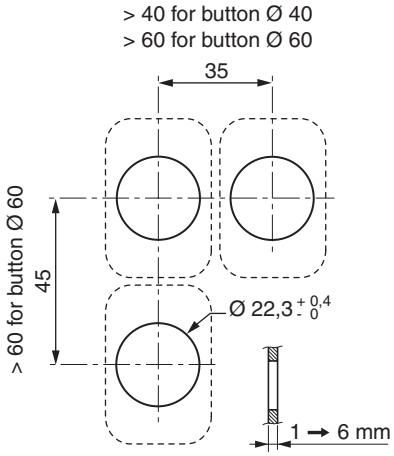
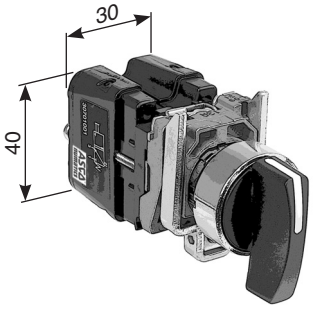
## DIMENSIONS

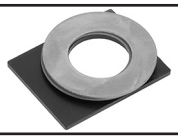


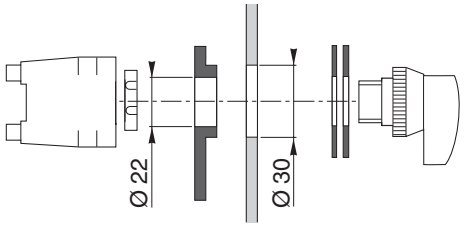

## PANEL DRILLING



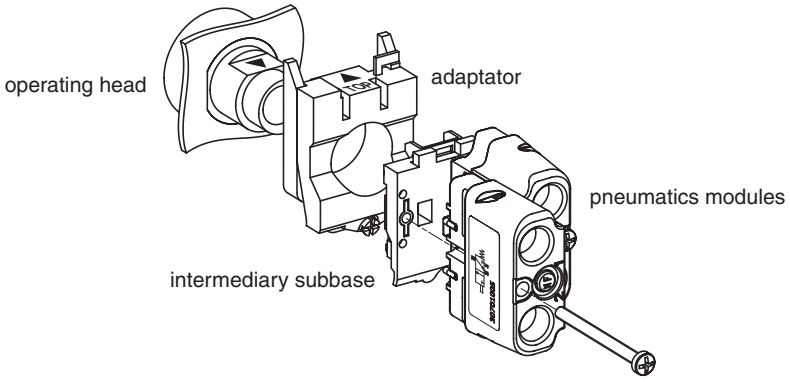




## REDUCING ADAPTER
## Ø 30 → Ø 22 mm

| | cat. number |
|---|---|
|  | 88130755 |



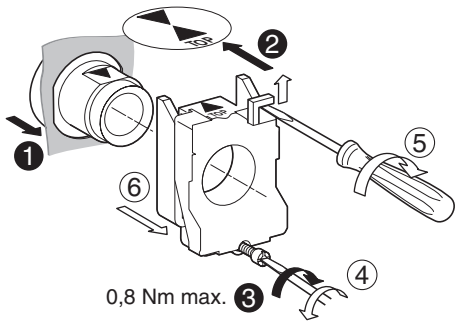

## MOUNTING




**metal operating head**

➡❶❷❸⬅ mounting

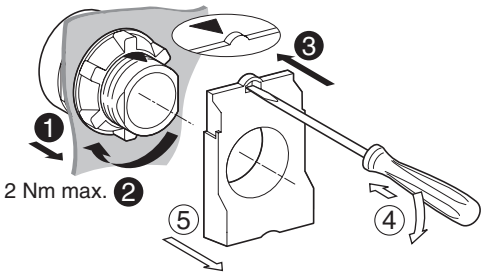
⇦④⑤⑥⇨ dismantling




**plastic operating head**

➡❶❷❸⬅ mounting

⇦④⑤⇨ dismantling

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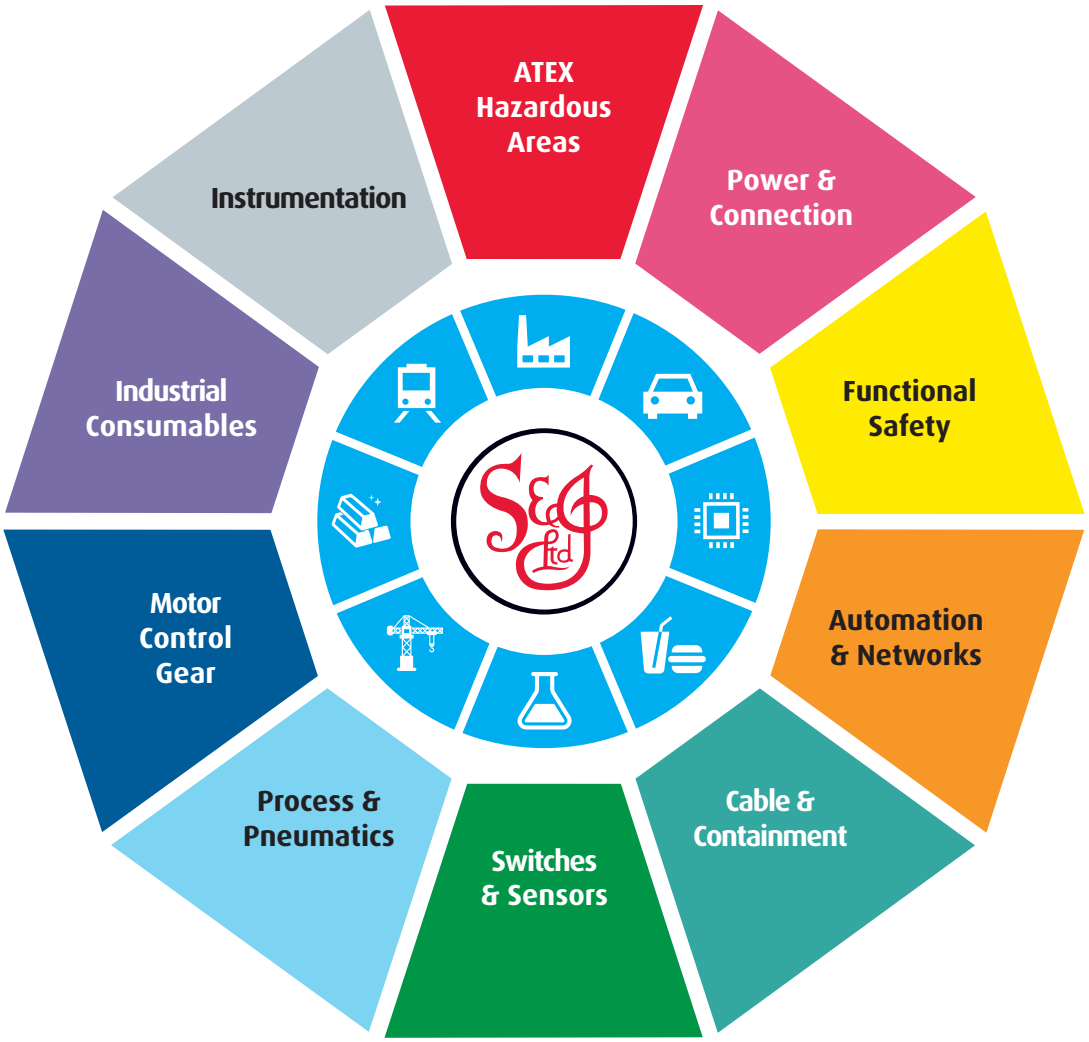


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