5/2 750 Series encloses 8 shutters in a single body: four in NC configuration and four in NO configuration. Shutters are placed in NC - NO couples and every couple is combined to a single control, providing the change of function.

The 8 outlets of the solenoid valve are also placed in an alternated NC - NO sequence and every couple is prearranged to control a double-acting cylinder.

The models present all the innovations offered by Matrix technology, combining dynamic high-performance with the simplicity and reliability of the manufacture. Response times are of milliseconds while operating life lasts over 500 million cycles.

Due to the control of speed-up type, dynamic characteristics are even more improved. Standard solenoid valves have a response time lower than 5 ms in opening and in closing, with a maximum operating frequency of 100 Hz.

For 5/2 750 series, a lot of accessories are available, such as IP 52 or IP 56 connectors, manifolds with different positions and speed-up driver boards.

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**Advantages**

- Compact dimension.
- Short response times.
- Insensitivity to frequency work and to vibrations.
- Low absorbed power.
- Precision, repetitiveness and flexibility.
- Long operating life.

**Applications**

- Process and precision instrumentation.
- Industrial automation.
- Robotics.
- Positioning systems.
- Piloting.

**Materials**

- Body in PPS.
- Flanges in Al.
- Seals in NBR (shutters in HNBR if required).
### General Characteristics

- **Fluid**: Non-lubricated dry air, neutral gases (-10 to 50°C)
- **Filtration Rating**: Min 40 micron
- **Temperature**: -10 to 50°C (Standard version)
- **Response Time in Opening**: KK < 5 ms
- **Response Time in Closing**: KK < 5 ms
- **Maximum Frequency**: 100 Hz
- **Weight**: 360 g
- **Product Life Expectancy**: ≥ 500 M/s cycles
- **IP Rating**: IP 52 - IP 65

### Identification Code

- **H**: 50 Nl/min
- **X**: Outlets (8 outlets)
- **7**: Standard
- **5**: HNBR Shutters
- **8**: 4 Controls
- **4**: N.4 Outlets NO, N.4 Outlets NC
- **E**: Speed-up in tension, ED 100% (1)
- **8**: Only with Electronic Driver Boards PDEB or UDGB
- **5**: 5/2
- **KK**: Presetting for Easy connection, IP 52 - IP 65

### Operating Pressure

<table>
<thead>
<tr>
<th>Range</th>
<th>Models</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 - 0 bar</td>
<td>All</td>
</tr>
</tbody>
</table>
CHARACTERISTICS OF THE ELECTRICAL CONTROL - MODELS KK

V1 = 24 VDC  t1 = 6 ms  V2 = 5 VDC

FLOW RATE H

Qn = 34 Nl/min
C = 7.14 Nl/min bar
b = 0.464

ELECTRICAL PORT CONNECTION

<table>
<thead>
<tr>
<th>COLOUR</th>
<th>4 CONTROLS</th>
</tr>
</thead>
<tbody>
<tr>
<td>BLACK</td>
<td>4 COMMON</td>
</tr>
<tr>
<td>BROWN</td>
<td>1 - 2</td>
</tr>
<tr>
<td>RED</td>
<td>3 - 4</td>
</tr>
<tr>
<td>ORANGE</td>
<td>5 - 6</td>
</tr>
<tr>
<td>YELLOW</td>
<td>7 - 8</td>
</tr>
</tbody>
</table>

NOTE: Inch size available

OUTLETS M5

<table>
<thead>
<tr>
<th>Reference</th>
<th>Quantity</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>PUSH-IN FITTING Ø 10</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
<td>PUSH-IN FITTING Ø 4/6</td>
</tr>
<tr>
<td>3</td>
<td>1</td>
<td>SILENCER</td>
</tr>
<tr>
<td>4</td>
<td>1</td>
<td>SILENCER</td>
</tr>
</tbody>
</table>

N.B. KK MODELS ARE CONTROLLED IN TENSION