LS04 SERIES
THE ULTRA-LIGHT SINGLE VALVES

Pneumatics
It’s that easy
Small dimensions – great benefits!

Thanks to their space-saving and lightweight design, the LS04 series valves make many tasks much easier. Their low weight makes them ideal for direct mounting onto moving machine parts and therefore perfect for dynamic applications in small handling systems.

High-tech in the smallest of spaces
The extremely small dimensions and low weight are the result of compact functional integration and modern plastics technology. By saving on construction volume, it is possible to utilize the smallest of spaces and to design machines with extremely compact dimensions. It is also easy to adapt the valves and integrate them into existing machine concepts. The LS04 series valves are therefore ideally suited for applications in the automotive, electronics, and semiconductor industries, as well as for robotics and assembly technology applications. Weight is kept to a minimum, which makes the valves highly dynamic even in the case of direct mounting onto moving machine parts and handling system axes. Thanks to the low kinetic energy, speeds and cycle times are easily optimized. In addition, short tubing lengths and low flow losses guarantee a high level of cost-effectiveness and energy efficiency.

It all depends on the application
The LS04 series includes two weight-optimized inline single valves which are ideally suited for the respective application.

LS04-XS: Extra small
The smallest LS04 is a single solenoid 5/2 directional valve, which is designed especially for specific controls on the actuator.

LS04-AF: All functions
In contrast, the LS04-AF allows you to benefit from all the required valve functions: As a single solenoid 2 x 3/2 directional valve with different opening variants, or as a single or double solenoid 5/2 as well as double solenoid 5/3 directional valve.

<table>
<thead>
<tr>
<th>Series</th>
<th>LS04-XS</th>
<th>LS04-AF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flow</td>
<td>200 l/min</td>
<td>310 l/min</td>
</tr>
<tr>
<td>Functions</td>
<td>5/2</td>
<td>2 x 3/2, 5/2, 5/3</td>
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<tr>
<td>Weight</td>
<td>40 g</td>
<td>64 g</td>
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<tr>
<td>Operating pressure</td>
<td>3 to 7 bar</td>
<td></td>
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<tr>
<td>Connection</td>
<td>Ø 4 mm</td>
<td>Ø 4 mm, 6 mm</td>
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<tr>
<td>Control</td>
<td>Electrical M8 3-pin, 2-pin plug connector</td>
<td></td>
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</tbody>
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Compact dimensions and lightweight construction
Highly dynamic with fast switching
For direct mounting onto moving parts
Perfect functional integration
High flexibility when designing machines
Economic and energy-efficient
Suitable for mobile applications

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