**How to Order?**

<table>
<thead>
<tr>
<th>Series No</th>
<th>Type No</th>
<th>Bone</th>
<th>X</th>
<th>Stroke</th>
<th>Magnet No</th>
<th>Thread type</th>
</tr>
</thead>
<tbody>
<tr>
<td>EXS</td>
<td>M, side bearing</td>
<td>6</td>
<td>25</td>
<td>50</td>
<td>S: with magnet</td>
<td>Blank</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10</td>
<td>75</td>
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<td>12</td>
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<td>75</td>
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<td></td>
<td>20</td>
<td>75</td>
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</tr>
</tbody>
</table>

Order Example:

EXS series, Linear Bearing type, Bore 6mm, stroke 30mm ERP code is: EXSL6X30-S

**Specifications**

- **Acting type**: Double acting
- **Working Medium**: Clean air (40μm filtration)
- **Working Pressure (MPa)**: 0.6-1.5
- **Guaranteed Pressure (MPa)**: 1.5
- **Working Temperature (°C)**: -20-80 (Dry air)
- **Cushion type**: Both End Cushion
- **Structure**: Double Power
- **Lubrication**: Not required
- **Adjustable Stroke**: Return Stroke 0~80mm

**No-moving accuracy**

- **Side Bearing type**: ±0.1mm, ±0.15mm, ±0.13mm, ±0.11mm, ±0.1mm, ±0.08mm
- **Linear Bearing type**: ±0.1mm, ±0.1mm, ±0.07mm, ±0.01mm, ±0.05mm, ±0.04

**Part Size**

- M12×3
- Q1/8

**Internal structure**

**Main Dimensions**

**Note:** The dimensions of non-std stroke cylinder have the same dimensions as the next longer stroke std. stroke cylinder.

**Bore (mm)**

- Standard stroke (mm): Max. stroke (mm)
  - 6: 10 20 30 40 50 60 70 80 90 100 150 175 200
  - 18: 20 25 30 40 50 60 70 80 90 100 125 150 175 200

**Ex: ≥ 10/0.32**

**M: slide bearing**

- S: with magnet
- Blank G: PT

**P: P TT :NPT**

**Example:**

- M3: Φ3
- M4: Φ4
- M5: Φ5.5
- M6: Φ5
- M8: Φ6
- M10: Φ7
- M12: Φ8

**Bore Sign**

- S: with magnet
- Blank G: PT

**NPT, PT port size is optional.**

**Adjustable Stroke 5~50mm**
HX-21 Series Magnet switch

**How to Order?**

- **Product code**: HX-21
- **Series No.**: R
- **Switch type**: Two wire reed switch
- **Special model**: No-Standard sensitive
- **NPT type**: L: Low sensitive type
- **PNP type**: H: High sensitive type
- **Wire length**: No: Standard 1M
- **Connection**: QD8

**Dimensions**

- **Wiring method**: 2-Wire Type
- **Switching type**: SPST Normally Open
- **Operating voltage**: 5–240V DC/AC, 5–120V DC/AC
- **Max. switching current**: 200mA max.
- **Contact rating**: 6 W max.
- **Current consumption**: 20mA @ 3V DC max
- **Voltage drop**: 1.5V max.
- **Leakage current**: 50mA max.
- **Max. interrupt frequency**: 100Hz
- **Temperatures range**: -10 to 70°C
- **Shock**: 30G
- **Vibration**: 5G
- **Enclosure classification**: UL 514A
- **Protection circuit**: Power reverse connection protection, Surge absorption protection
- **Cable**: 0.8mm², 2C, Gray color, 0.5mm², 2C, Black color

**Note:**
1. Testing with standard magnet: Φ15. 5x Φ8x5t (Plastic magnet)
2. Sine wave X, Y, Z axial direction each axial direction three times each time 11ms
3. Complex amplitude: 1.5mm (1Hz–20Hz) sweep frequency, last one minute each time X, Y, Z axial direction for one hour
4. 1. No output short circuit protection, Surge absorption protection
5. 2. No output short circuit protection, Power reverse connection protection