Check Valve (for SGB-G03)

Features

- These check valves are for SGB-G03, to be stacked below SGB-G03.

Nomenclature

1. Applicable fluid code
   - No designation: Petroleum-based hydraulic fluid, water-glycol hydraulic fluid
   - F: Phosphate ester hydraulic fluid

2. Model No.
   - SMC: Check valve for SGB-G03

Specifications

<table>
<thead>
<tr>
<th>Model code</th>
<th>Nominal diameter</th>
<th>Maximum operating pressure (MPa (kgf/cm²))</th>
<th>Maximum flow rate (L/min)</th>
<th>Cracking pressure (MPa (kgf/cm²))</th>
<th>Mass (kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMC-03-05-10</td>
<td>⅜</td>
<td>14 (140)</td>
<td>40</td>
<td>0.05 (0.5)</td>
<td>1.8</td>
</tr>
</tbody>
</table>

Accessories

- Hexagon socket head cap bolt: M10 × 85
  - Quantity: 4
  - Tightening torque: 48 to 63 (480 to 630)

Handling

- Order SGB-03M separately as the sub-plate.

External dimension diagram

Sectional structural diagram

Sealing part table

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Name</th>
<th>Quantity</th>
<th>Part specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>O-ring</td>
<td>2</td>
<td>JIS B 2401 1B P16</td>
</tr>
<tr>
<td>6</td>
<td>O-ring</td>
<td>1</td>
<td>JIS B 2401 1B P7</td>
</tr>
</tbody>
</table>