INTERACTIVE CLUTCH

OSCM-OW

In general, a motor, electromagnetic clutch, and solenoid are used for transmitting the power or cutting off the power which requires electrical wiring. The Interactive Clutch does not require the electricity and be able to transmit or cut off the power. When the interactive clutch installed in lifting and lowering device, it holds a position with its self-lock mechanism (non-excitation hold position).

■ Features

1. Compact Design
   Slim design (OD: φ20, W: 8) Lock torque: 0.2Nm

2. Self-Lock
   Rotates both clockwise and counter-clockwise.

3. No Electricity Driven
   Transmits power and also cuts off the power without electricity consumption.

■ Specifications

<table>
<thead>
<tr>
<th>Transmitting power from input to output.</th>
<th>Output shaft locks both direction.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Braking load</td>
<td>Limiter load</td>
</tr>
<tr>
<td>制動負荷</td>
<td>リミッタ負荷</td>
</tr>
<tr>
<td>リミッタ負荷</td>
<td>Limiter load</td>
</tr>
</tbody>
</table>

■ Development Set Point

<table>
<thead>
<tr>
<th>Origin</th>
<th>Braking torque</th>
<th>Lock torque</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nominal Number</td>
<td>Required torque for input, when no load on output.</td>
<td>Holding torque on output.</td>
</tr>
<tr>
<td>OSCM-OW</td>
<td>~ 5 mNm</td>
<td>~ 200 mNm</td>
</tr>
</tbody>
</table>

Specifications are subject to change without a notice for future development.
Reference Test Data

Test Conditions

<table>
<thead>
<tr>
<th>Categories</th>
<th>Test Condition</th>
<th>Test Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Load Torque</td>
<td>25mNm, 200mNm</td>
<td></td>
</tr>
<tr>
<td>RPM</td>
<td>50rpm</td>
<td></td>
</tr>
<tr>
<td>Temperature</td>
<td>23℃ Room Temperature</td>
<td></td>
</tr>
<tr>
<td>Cycle</td>
<td>CW 50mm→Stop 1sec →CCW 50mm→Stop 1sec</td>
<td></td>
</tr>
</tbody>
</table>

Please consult us for individual conditions.

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**Load 25mN•m**

![Graph 1: Slip Static Torque](image1)

**Load 200mN•m**

![Graph 2: Slip Static Torque](image2)

**Braking Torque**

![Graph 3: Braking Torque](image3)

**Slip Static**

![Graph 4: Slip Static](image4)

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