### Misgripping Sensor Units

#### Lightweight Type

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Base unit price 1</th>
<th>99 pieces</th>
</tr>
</thead>
<tbody>
<tr>
<td>MGU</td>
<td>13559</td>
<td>32666</td>
</tr>
<tr>
<td>MGUN</td>
<td>1075</td>
<td>10060</td>
</tr>
</tbody>
</table>

**Operation**

- **Check bar**: ① Switchless type ① Protective cover ① Red N.C.
- **Check bar**: ② Switchless type ② Protective cover ② Red N.C.
- **Check bar**: ③ Switchless type ③ Protective cover ③ Red N.C.

**How to use**

The built-in microswitch in the misgripping sensor unit is activated when the unit rod is pressed. It outputs a signal when the grip fingers have failed to grasp the workpiece (misgrip). Therefore, use the unit so that the press machine stops when the signal is output.

**Wiring**

- **Red bar**: ① Switchless type ① Protective cover ① Red N.C.
- **Red bar**: ② Switchless type ② Protective cover ② Red N.C.
- **Red bar**: ③ Switchless type ③ Protective cover ③ Red N.C.

**Check bar**: ① Switchless type ① Protective cover ① Red N.C.

### Misgripping Sensor Units

#### High-Rigidity Type

**Automatic switch change**

- **Code**: ①20
- **Spec.**: Changed to type with operation check indicator lamp.

**Addition of protective cover on lower part of unit body**

- **Code**: ①20
- **Spec.**: Fastened by M4 screws. Check bar position is raised by 3mm.

**TCOD**

- **Code**: ①20
- **Spec.**: Changed to type with operation check indicator lamp.

**Example**

- **Switchless type**: ①20

**Note**

- **MGUA** has a N.O. contact only. (ON when activated)
- In the following cases, the contact life may be shortened. The use of contact protection box CD-P11 or CD-P12 is strongly recommended.
  - The load voltage is 100V AC or higher.
  - The load used is an induction load.

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**Diagram:**

- **With check bar**
- **Without check bar**

**Catalog No.:** MGUA 20
**Price:** Quotation

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<tr>
<td>MGUA 20</td>
<td>13559</td>
<td>32666</td>
</tr>
</tbody>
</table>

**Order:**

- **Catalog No.**
  - MGUA 20
- **Price:** Quotation
- **Days to Ship:** 3

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**Notes:**

- **Operation**
- **Shake**: Advance end ① Oren ① Oren
- **Shake**: Switch OFF ② 0.6mm ② 0.6mm
- **Shake**: Stable detection ③ 0.1mm ③ 0.1mm
- **Shake**: Reverse end ④ 5.0mm ④ 5.0mm

**How to use**

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**Wiring**

- **Red bar**: ① Switchless type ① Protective cover ① Red N.C.
- **Red bar**: ② Switchless type ② Protective cover ② Red N.C.
- **Red bar**: ③ Switchless type ③ Protective cover ③ Red N.C.

**Check bar**: ① Switchless type ① Protective cover ① Red N.C.