PRODUCT FEATURES

- From 0.5 mA to 20 A at 12 V DC or 24 V DC
- Dust and water protection (IP 66 / IP 69), on demand also from terminal side
- Proven, self-cleaning snap-action switching system to prevent contact weldings
- Wide range of switching functions with up to four integrated LEDs for symbol and function illumination
- Different rocker designs and colors with various laser marking symbols (also customer-specific)

SERIES 3250
ROCKER SWITCH FOR OFF-ROAD VEHICLES

ADVANTAGES

- Wide rating range
- Suitable for harsh environments
- High level of safety and reliability
- Numerous versions
- Attractive, flexible design

OFF-ROAD ROCKER SWITCH

EXAMPLES OF APPLICATION

- Construction vehicles
- Agricultural machinery
- Material handling
- Commercial machinery
- Municipal vehicles
- Utility vehicles
- Recreational vehicles
- All-terrain vehicles
- Electric vehicles
- Boats & ships

SPECIFICATIONS

<table>
<thead>
<tr>
<th>Rating</th>
<th>100 mW 50E4 12 V DC and 24 V DC</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7.5 A 24 V DC lamp – 5E4</td>
</tr>
<tr>
<td></td>
<td>20 A 24 resistive – 10E4</td>
</tr>
<tr>
<td>Mechanical life endurance</td>
<td>500,000 actuations</td>
</tr>
<tr>
<td>Switching system</td>
<td>Self-cleaning with relative movement of contacts</td>
</tr>
<tr>
<td>Switching functions</td>
<td>ON – OFF (ON) – OFF SP, DP</td>
</tr>
<tr>
<td></td>
<td>ON – ON (ON) – ON SP, DP</td>
</tr>
<tr>
<td></td>
<td>ON – OFF – ON (ON) – OFF – (ON) 2 x SP</td>
</tr>
<tr>
<td></td>
<td>(ON) – OFF – ON ON – ON – ON 2 x SP</td>
</tr>
<tr>
<td></td>
<td>(ON) – ON – (ON) OFF – ON – ON 2 x SP</td>
</tr>
<tr>
<td></td>
<td>OFF – ON – (ON) 2 x SP</td>
</tr>
<tr>
<td>Actuation force</td>
<td>Latching SP and 2 x SP: 17.3 N ± 5.2 N</td>
</tr>
<tr>
<td></td>
<td>Latching DP: 16.2 N ± 4 N</td>
</tr>
<tr>
<td></td>
<td>Momentary SP and 2x SP: 10 N ± 2.2 N</td>
</tr>
<tr>
<td>Ambient temperature</td>
<td>-40 °C ... 85 °C</td>
</tr>
<tr>
<td>Illumination</td>
<td>Up to four built-in LEDs for symbol illumination (green) and function illumination (red)</td>
</tr>
<tr>
<td>Protection type</td>
<td>Actuation side IP 66 and IP 69</td>
</tr>
<tr>
<td></td>
<td>Terminal side IP 40 or IP 54</td>
</tr>
</tbody>
</table>

WWW.MARQUARDT.COM
ROCKER SWITCH FOR OFF-ROAD VEHICLES

ACCESSORIES

- Various connectors
- TE with secondary lock for female connectors (product number 217.849.011)
- MARQUARDT for sealed terminal side (product number 219.057.011)
- JPT as female connector (product number 288.029.011)
- Panel seal (product number 343.171.011)
- Mounting frame for 22 x 44 mm cut-out (product number 217.879.011)
- Hole plug as dummy (product number 207.036.011)
- Expandable gang adaptor frames for individual installation openings
  - End piece (product number 217.877.011)
  - Middle piece (product number 217.878.011)
- Seal plug connector for MARQUARDT block connector (product number 343.196.011)
- Cable seal sleeve for MARQUARDT block connector (product number 343.197.011)

ON REQUEST

- Other ratings
- Locking function of the cap (top position, bottom position or both positions)
- Indicator lights with double LED illumination
- Various switch cap colors
- Customized cap designs
- Additional illumination colors

DRAWINGS

(Dimensions in mm)