Technical features

Operation:
PNP open collector output with LED (yellow)
Switching voltage (Ub):
10 ... 30 V d.c.
Switching voltage output:
Ub : 2 V
Inducted voltage:
2 V
Switching current (see graph):
200 mA max.

Switching power:
6 W max.
Response time:
0,2 ms
Operating frequency:
1 kHz
Protection rating (EN 60529):
IP 66
Operating temperature:
-20 ... +80°C (-4 ... +176°F)

Cable type:
PVC 3 x 0,5
Cable length:
2, 5 and 10 m
Electromagnetic compatibility according to:
EN 60947-5-2
Materials:
Body: plastic
Cable: see table below

Technical data

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Voltage (V d.c.)</th>
<th>Current max. (mA)</th>
<th>Function</th>
<th>Operating temperature (°C)</th>
<th>LED</th>
<th>Protection class</th>
<th>Features</th>
<th>Cable length (m)</th>
<th>Cable type</th>
<th>Weight (g)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>BN BU BK</td>
<td>10 ... 30</td>
<td>200</td>
<td>PNP</td>
<td>-20 ... +80</td>
<td>•</td>
<td>IP66</td>
<td>—</td>
<td>2, 5 or 10</td>
<td>PVC 3 x 0,5</td>
<td>102 (2 m)</td>
<td>QM/132/*</td>
</tr>
<tr>
<td>BN BU BK</td>
<td>10 ... 30</td>
<td>200</td>
<td>PNP</td>
<td>-20 ... +80</td>
<td>•</td>
<td>IP66</td>
<td>—</td>
<td>5</td>
<td>PUR 3 x 0,34</td>
<td>QM/132/5/PU</td>
<td></td>
</tr>
<tr>
<td>BN BU BK</td>
<td>10 ... 30</td>
<td>200</td>
<td>PNP</td>
<td>-20 ... +80</td>
<td>•</td>
<td>IP66</td>
<td>Plug M12 x 1</td>
<td>15</td>
<td>QM/132/P *1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

* Insert cable length
*1) Plug-in connector see page 2
Color code: BK = black, BN = brown, BU = blue

Options selector

<table>
<thead>
<tr>
<th>Cable length/plug</th>
<th>Substitute</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 m</td>
<td>2</td>
</tr>
<tr>
<td>5 m</td>
<td>5</td>
</tr>
<tr>
<td>10 m</td>
<td>10</td>
</tr>
<tr>
<td>M12 x 1</td>
<td>P</td>
</tr>
</tbody>
</table>

Switching current and switching voltage

Temperature curve

Our policy is one of continued research and development. We therefore reserve the right to amend, without notice, the specifications given in this document. (1999 - 4005d) © 2015 Norgren GmbH
**QM/132**
Magnetically operated switch, solid state

### Mounting elements for magnetic switches

<table>
<thead>
<tr>
<th>Cylinder Ø (mm)</th>
<th>Model</th>
<th>Cylinder Ø (inch)</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>32 - 63</td>
<td>QM/31/032/22</td>
<td>1 1/4”</td>
<td>QM/31/032/22</td>
</tr>
<tr>
<td>80 - 125</td>
<td>QM/31/080/22</td>
<td>1 3/4” + 2”</td>
<td>QM/31/080/22</td>
</tr>
<tr>
<td>160 - 200</td>
<td>QM/31/160/22</td>
<td>2 1/2” - 4”</td>
<td>QM/31/2/22</td>
</tr>
<tr>
<td>250</td>
<td>QM/31/250/22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>320</td>
<td>QM/31/320/22</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dimensions see relevant cylinder sheets.

### Accessories

**Plug-in connector cable with nut**

<table>
<thead>
<tr>
<th>Outer cover</th>
<th>Cable length</th>
<th>Weight (kg)</th>
<th>Connector</th>
<th>Model</th>
</tr>
</thead>
<tbody>
<tr>
<td>PVC 3 x 0,34</td>
<td>5 m</td>
<td>0,182</td>
<td>M12 x 1</td>
<td>MP34692/5</td>
</tr>
<tr>
<td>PUR 3 x 0,34</td>
<td>5 m</td>
<td>0,182</td>
<td>M12 x 1</td>
<td>MP34594/5</td>
</tr>
</tbody>
</table>

### Dimensions

**QM/132**

- [Diagram of QM/132]

**QM/132/P**

- [Diagram of QM/132/P]

**Warning**

These products are intended for use in industrial systems only. Do not use these products where values can exceed those listed under "Technical features/data".

Before using these products with non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in control systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure. System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.