**Electronic specifications**
- Max. pulse frequency: 100 kHz
- Perm. temperature range: -30°C...+70°C
- Power supply: 10 V...30 V DC
- Max. current consumption: 80 mA (without load)
- Max. output load: 30 mA (per channel)
- Residual ripple: max. ±5% \(U_s\)
- Power supply: 5 V DC ±5%
- Max. current consumption: 80 mA

**Mechanical specifications**
- Housing: Zinc die-casting
- Shaft: Stainless steel
- Bearing: Deep groove ball bearing
- Weight: approx. 1.2 kg
- Protection type: IP 54
- Max. speed: 6000 U/min
- Torque: approx. 3 Ncm
- Max. shaft load: axial 30 N, radial 50 N

**Mechanical dimensions**

* Tolerance = H 6
Output circuits

[Diagram showing connections]

Order ref.: 2 3 5

Signal outputs

A

Two square pulse trains offset by 90° el,

B

with channel A lagging in clockwise rotation.

0

Reference pulse 0 once per revolution, position and length optional.

All channels can also be executed inversely.

Pin configuration

<table>
<thead>
<tr>
<th>GND</th>
<th>+ U_b</th>
<th>A</th>
<th>B</th>
<th>A̅</th>
<th>B̅</th>
<th>0</th>
<th>0̅</th>
</tr>
</thead>
<tbody>
<tr>
<td>Connection type K (01)</td>
<td>black</td>
<td>blue</td>
<td>brown</td>
<td>beige</td>
<td>yellow</td>
<td>green</td>
<td>pink</td>
</tr>
<tr>
<td>Connection type K (01)</td>
<td>black</td>
<td>blue</td>
<td>brown</td>
<td>beige</td>
<td>yellow</td>
<td>green</td>
<td>pink</td>
</tr>
<tr>
<td>Connection type 0 (connector 12)</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>6</td>
<td>7</td>
</tr>
</tbody>
</table>

Order reference

PA 02

Number of pulses 1 ... 3600

Output circuit

Signal output

Connection type

2 = Line Driver 75183
2 = U_b = 5V DC/max. 40mA
3 = 88 C 30 Driver
2 = U_b = 15...30V DC/max. 100mA/Output 12 V

5 = Push-pull driver
5 = U_b = 11...24V DC/max. 30mA

Inkrementale Drehgeber

UB=15...30 VDC

Output circuits

Order ref.: 2 3 5

88 C 30