



## HWI 103

- ▶ Incremental rotary encoder with hollow shaft
- ▶ Constructionally great scope due to flat design
- ▶ Very robust design
- ▶ Also available in stainless steel for aggressive environmental conditions
- ▶ Accessories from page 70

### Electrical specifications

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

### Mechanical specifications

|                  |  |
|------------------|--|
| Flange:          | Aluminium  |
| Housing:         | Aluminium  |
| Hollow shaft:    | stainless steel                                    |
| Shaft seal:      | Oil/Salt-water resistant                           |
| Bearing:         | Deep groove ball bearing                           |
| Weight:          | approx. 0.8 kg                                     |
| Protection type: | IP 65  |
| Max. speed:      | 6000 U/min   |
| Torque:          | approx. 15 Ncm at 25° C<br>approx. 50 Ncm at 20° C |

### Mechanical dimensions



