Series HWI 58

- Incremental rotary-encoder with a hollow shaft diameter of 6-15 mm
- Housing diameter 58 mm, compact design and high degree of protection
- Maximum 5,000 pulses / revolution
- For highest industrial requirements
- Direct assembly onto existing shafts
- Accessories from page 78

**Electrical specifications**

- max. pulse frequency: 25 kHz
- Perm. temperature range: -30°...+70° C
- Power supply: 10 V...30 V DC
- Current consumption: 80 mA (5 V DC)
- Max. output load: 30 mA (per channel)
- Residual ripple: max. ± 5% Uₚ
- Power supply: 5 V DC ± 5%
- Max. current consumption: 80 mA
- Max. output load: 30 mA (per channel)

**Mechanical specifications**

- Flange: Aluminium
- Housing: Aluminium
- Shaft: stainless steel
- Bearing: Deep groove ball bearing
- Weight: approx 0,4 kg
- Protection type: IP 65
- Max. speed: 6,000 U/min
- Torque: approx 3 Ncm
- Max. shaft load: axial 15 N / radial 30 N

**Mechanical dimensions**

All specification in millimeters

![Mechanical dimensions diagram]
Output circuits

Signal outputs

Two square pulse trains offset by 90° el, with channel A lagging in clockwise rotation.

with channel A lagging in clockwise rotation, position and length optional, linked for RS 422.

All channels can also be executed inversely.

Pin configuration

Order reference

Order ref.: 1 2 3 6
Number of pulses 1 . . . 5.000
(higher numbers of pulses on request)

(hover)